SAMSUNG

VIDEO CASSETTE RECORDER

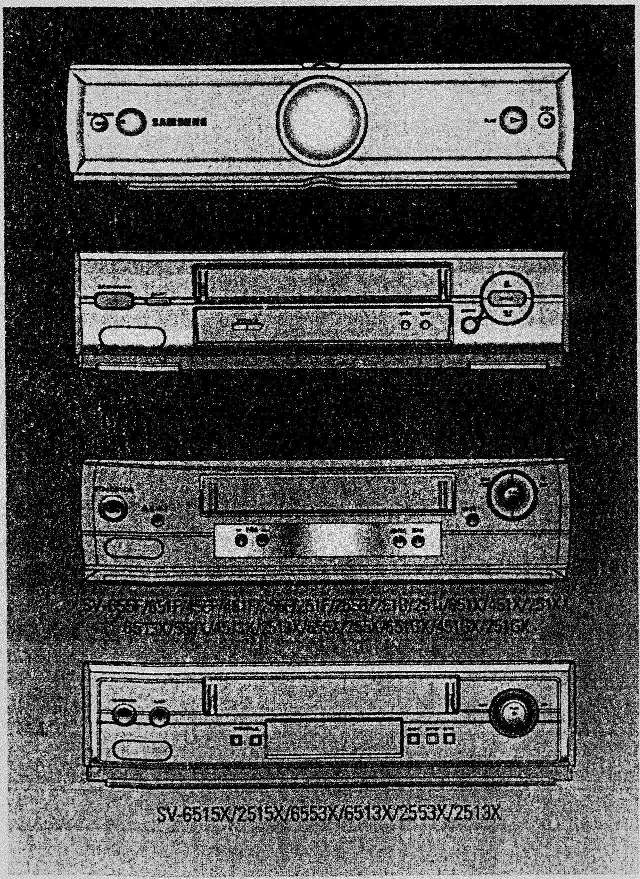
Chassis : Scorpio II

SV-657F/655F/651F/455F/451F/255F/251F
SV-657B/655B/651B/255B/251B
SV-657X/655X/651X/553X/455X/451X/255X/251X
SV-6552X/6515X/6512X/2552X/2512X
SV-6553X/6513X/4513X/2553X/2513X
SV-657GX/655GX/651GX/455GX/451GX/255GX/251GX
SV-651I/251I

SERVICE Manual

For mechanical disassembly and adjustment, refer to the "Mechanical Manual" (TS-10A → AC82-00023A).

VIDEO CASSETTE RECORDER



CONTENTS

1. Precautions
2. Alignment and Adjustment
3. Exploded View and Parts List
4. Electrical Parts List
5. PCB Diagrams
6. Schematic Diagrams

IMPORTANT SERVICE GUIDE

◆ MODE SWITCH (PROGRAM SWITCH) ASSEMBLY POINT

1) When installing the ass'y deck on the Main PCB, be sure to align the assembly point of mode switch.

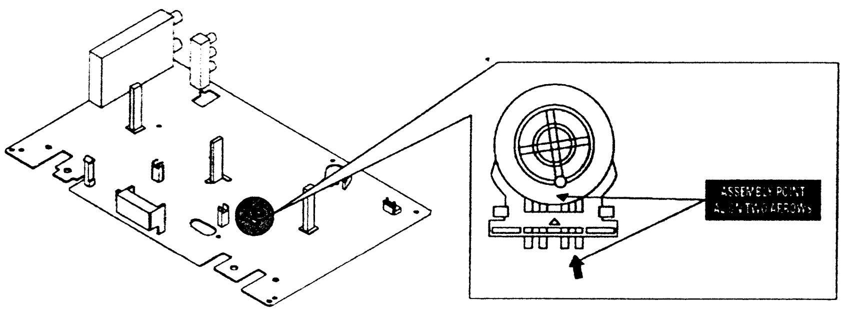


Fig. 1

◆ HOW TO EJECT THE CASSETTE TAPE
(If the unit does not operate on condition that tape is inserted into housing ass'y)

1) Turn the Gear Worm ❶ clockwise in the direction of arrow with screw driver. (See Fig. 2)
(Other method ; Remove the screw of Motor Load Ass'y, Separate the Motor Load Ass'y)
2) When Slider S, T are approached in the position of unloading, rotate holder Clutch counterclockwise after inserting screw driver in the hole of frame's bottom in order to wind the unwiunded tape. (Refer to Fig. 3)
(If you rotate Gear Worm ❶ continuously when tape is in state of unwinding, you may cause a tape contamination by grease and tape damage. Be sure to wind the unwiunded tape in the state of set horizontally.)
3) Rotate Gear Worm ❸ clockwise using screw driver again up to the state of eject mode and then pick out the tape. (Refer to Fig. 2)

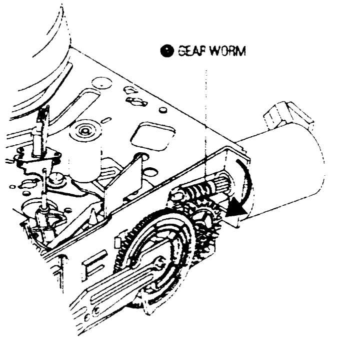


Fig. 2

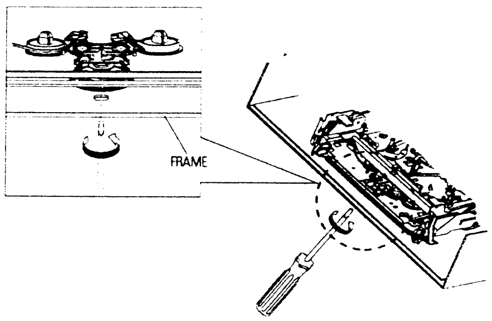


Fig. 3

1. Precautions

1. **Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.**

2. **When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including : control knobs and compartment covers.**

3. **Make sure that there are no cabinet openings through which people–particularly children –might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.**

   If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (See Fig. 1-1) :
   Warning : Do not use an isolation transformer during this test. Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI C101.1, Leakage Current for Appliances), and Underwriters Laboratories (UL Publication UL1410, 59.7).

5. **With the unit completely reassembled, plug the AC line cord directly the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including : antennas, handle brackets, metal cabinets, screwheads and control shafts.** The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

6. X-ray Limits :
   The picture tube is designed to prohibit X-ray emissions. To ensure continued X-ray protection, replace the picture tube only with one that is the same type as the original.

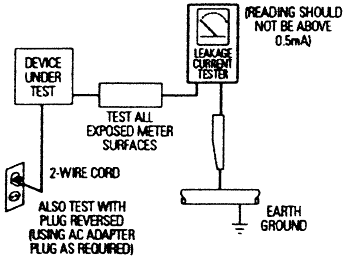


Fig. 1-1 AC Leakage Test

7. Antenna Cold Check :
   With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong.
   Connect the other lead to the coaxial connector.

8. High Voltage Limit :
   High voltage must be measured each time servicing is done on the B+, horizontal deflection or high voltage circuits.

   Heed the high voltage limits. These include the X-ray protection Specifications Label, and the Product Safety and X-ray Warning Note on the service data schematic.

9. Some semiconductor ("solid state") devices are easily damaged by static electricity.
   Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.

10. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging Wrist-strap device. (Be sure to remove it prior to applying power–this is an electric shock precaution.)

11. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.

12. Design Alteration Warning :
    Never alter or add to the mechanical or electrical design of this unit. Example : Do not add auxiliary audio or video connectors.
    Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.

13. Hot Chassis Warning :
    Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord. If an isolation transformer is not used, these units may be safely serviced only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC source.

    To confirm that the AC power plug is inserted correctly, do the following : Using an AC voltmeter, measure the voltage between the chassis and a known earth ground. If the reading is greater than 1.0V, remove the AC power plug, reverse its polarity and reinsert. Re-measure the voltage between the chassis and ground.

14. Some TV chassis are designed to operate with 85 volts AC between chassis and ground, regardless of the AC plug polarity. These units can be safely serviced only if an isolation transformer inserted between the receiver and the power source.

15. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.

16. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

17. Observe the original lead dress, especially near the following areas : Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.

18. Picture Tube Implosion Warning :
    The picture tube in this receiver employs "integral implosion" protection. To ensure continued implosion protection, make sure that the replacement picture tube is the same as the original.

19. Do not remove, install or handle the picture tube without first putting on shatterproof goggles equipped with side shields. Never handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; do not try to remove such "permanently attached" yokes from the picture tube.

20. Product Safety Notice :
    Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original—even if the replacement is rated for higher voltage, wattage, etc.

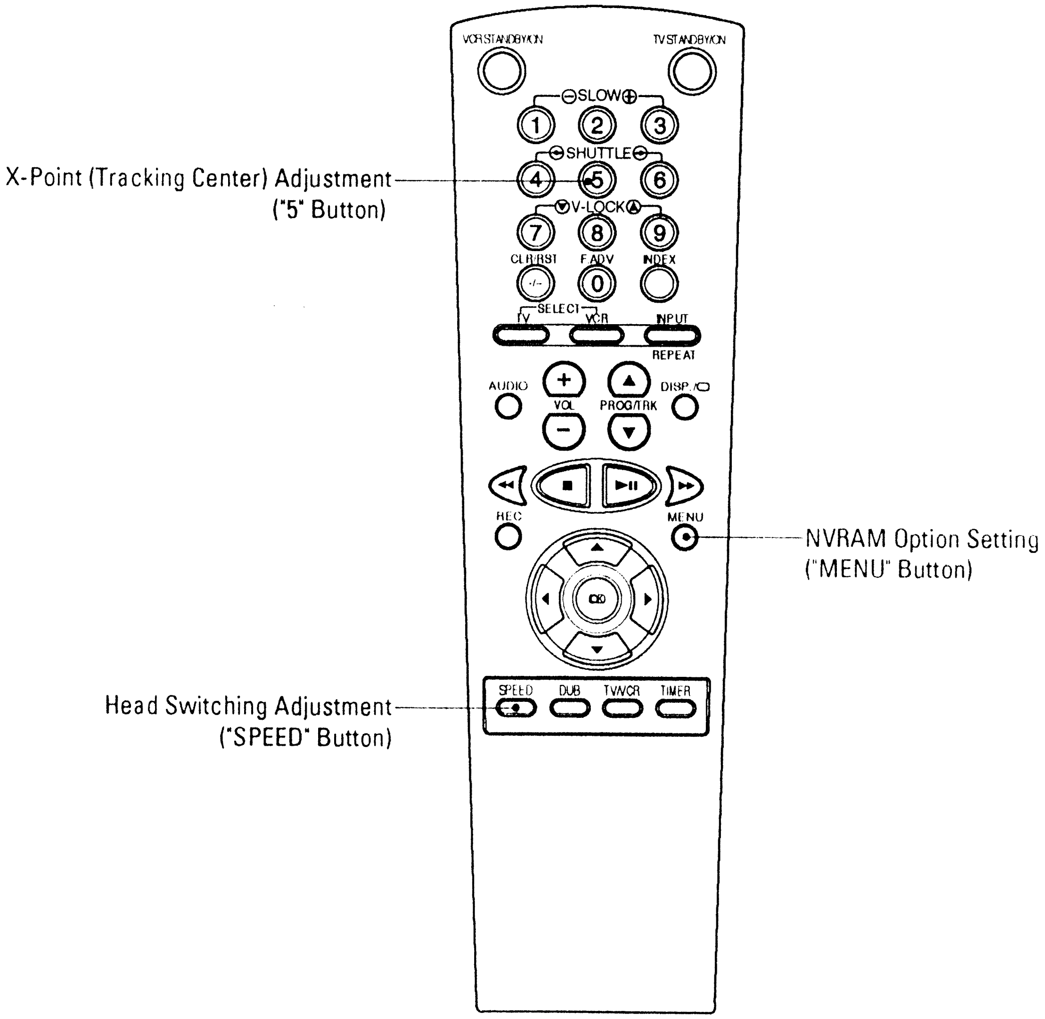
    Components that are critical for safety are indicated in the circuit diagram by shading, (⚠ or ⚠).
    Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications. A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

2. Alignment and Adjustment

2-1 Reference

1) X-Point (Tracking center) adjustment, "Head switching adjustment" and "NVRAM option setting" can be adjusted with remote control.
2) When replacing the Micom (IC601) and NVRAM (IC605 ; EEPROM) be sure to adjust the "Head switching adjustment" and "NVRAM option setting".
3) When replacing the cylinder ass'y, be sure to adjust the "X-Point" and "Head switching adjustment".
4) Among Samsung VCR remote control used for adjustment as a accessory, only the remote control that has figures buttons (0 ~ 9) is available for all adjustment regardless of chassis.
5) How to adjustment.
   - Press the "TEST" button on Main PCB/Function PCB to set the adjustment mode.
   - If the corresponding adjustment button is pressed, the adjustment is performed automatically.
   - If the adjustment is completed, be sure to turn the power off.

2-1-1 Location of adjustment button of remote control


VCR STANDBY/ON
TV STANDBY/ON
⊖SLOW⊕
1
2
3
⊖SHUTTLE⊕
4
5
6
V-LOCK
7
8
9
CLR/RST
F.ADV
INDEX
-/--
0
SELECT
TV
VCR
INPUT
REPEAT
AUDIO
VOL
PROG/TRK
DISP./
REC
MENU
OK
SPEED
DUB
TV/VCR
TIMER
X-Point (Tracking Center) Adjustment
("5" Button)
NVRAM Option Setting
("MENU" Button)
Head Switching Adjustment
("SPEED" Button)

Remote Control for adjustment is not supplied as a Service Jig.

Fig. 2-1

2-1-2 SW718 location for adjustment mode setting

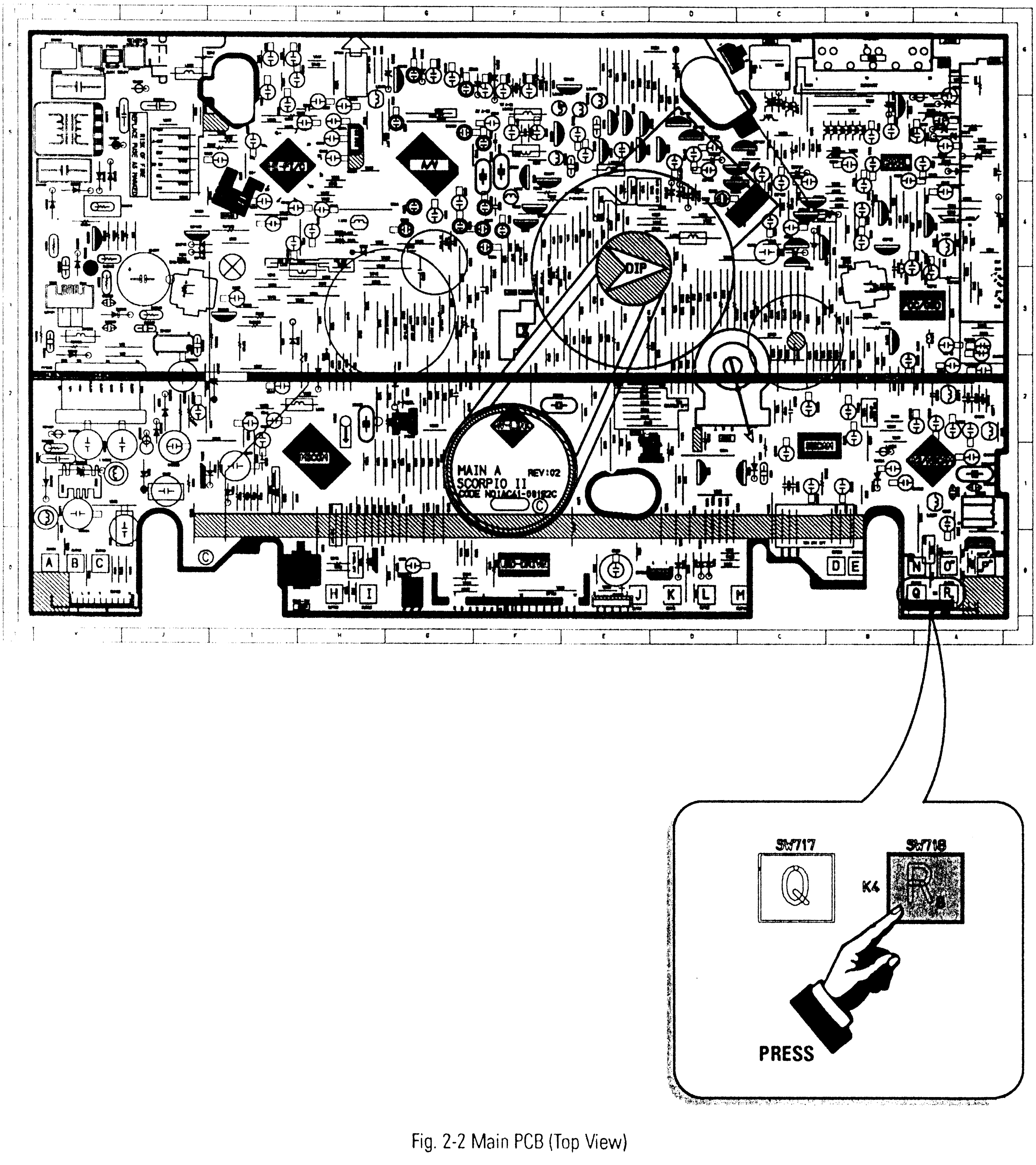
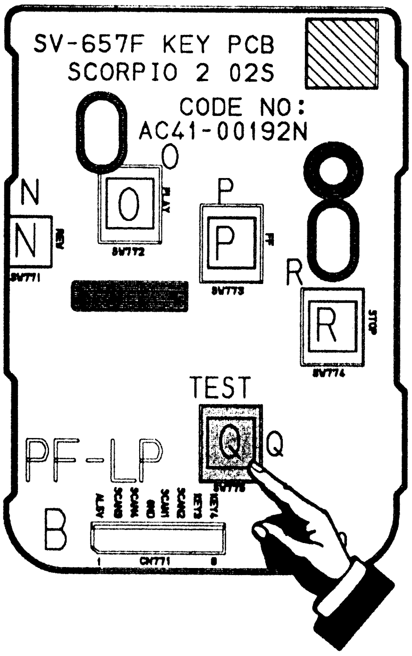

MAIN A
REV:02
SCORPIO II
DIP
SW717
SW718
Q
R
K4
PRESS

Fig. 2-2 Main PCB (Top View)

2-1-3 SW775 (TEST) location for adjustment mode setting (SV-657F/657B/657X/657GX Only)


SV-657F KEY PCB
SCORPIO 2 02S
CODE NO:
AC41-00192N
N
O
P
R
TEST
Q
PF-LP
B
SW771
SW772
SW773
SW774
SW775
PLAY
REW
FF
STOP
CN771

PRESS

Fig. 2-3 Function PCB (Top View)

2-2 Mechanical Adjustment

Note : Refer to the Mechanical Manual "TS-10A (AC82-00023A)" for the adjustment and confirmation of ass'y full deck.

2-2-1 The number and position of test point

Test point : TP301 (Envelope)
TP302 (Audio output)
TP602 (H'D S/W Trigger)

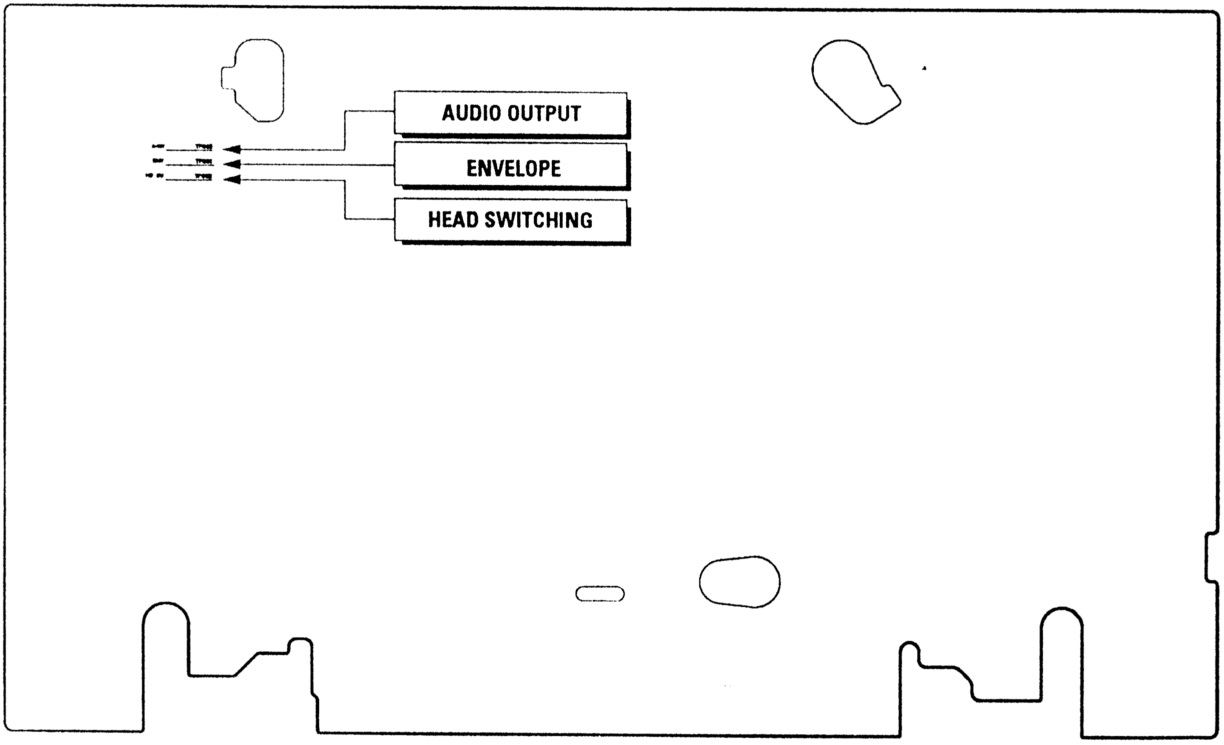


Fig. 2-4 Location of Test point (Main PCB-Top View)

2-2-2 ACE Head Position (X-Point) Adjustment

(See the 2-2-1(d) ACE Head Position (X-Point) Adjustment on page 2-2 of the Mechanical Manual)

1) Playback the alignment tape (Color bar).
2) Press the "TEST" button on Main PCB/Function PCB to set the adjustment mode. (See Fig. 2-2 and 2-3)
3) Press the "5" button of remote control then adjustment is operated automatically. (See Fig. 2-1)
4) Connect the CH-1 probe to TP301 (Envelope) the CH-2 probe to TP602 (H'D switching pulse) and then trigger to CH-1.
5) Insert the (-) driver into the X-Point adjustment hole and adjust it so that envelope waveform is maximum.
6) Turn the Power off.

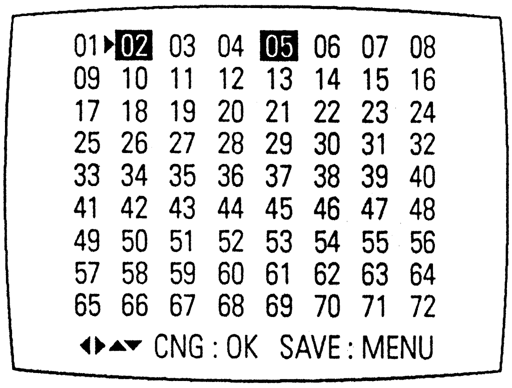
2-3 Head Switching Point Adjustment

1) Playback the alignment tape.
2) Press the "TEST" button on Main PCB/Function PCB to set the adjustment mode. (See Fig. 2-2 and 2-3)
3) Press the "SPEED" button of remote control then adjustment is operated automatically. (See Fig. 2-1)
4) Turn the Power off.

2-4 NVRAM Option Setting

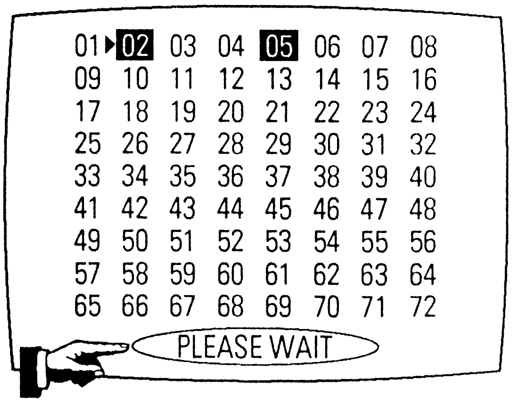
1) NVRAM Option is adjusted at production line basically.
2) In case Micom (IC601) and NVRAM (IC50[illegible] EEPROM) is replaced, be sure to set the corresponding option number of the repaired model. (If the option is not set, the unit is not operated.)

1) Press the "TEST" button on Main PCB/Function PCB to set the adjustment mode. (See Fig. 2-2 and 2-3)
2) Press the "MENU" button on the remote control about 5 seconds then option setting display is appeared. (See Fig. 2-5)
3) Select the option number (See Table 2-1) of corresponding model with "CURSOR" button on the remote control.
4) If selecting the option number is completed, press the "OK" button of remote control. (If "OK" button is pressed, the selected number is changes reversed color. ; See Fig. 2-5)
5) Press the "MENU" button of remote control again to store the option number. ("PLEASE WAIT" is displayed for a second as shown Fig. 2-6 and this setting is completed.)
6) Turn the Power off.



```
01▶02 03 04 05 06 07 08
09 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24
25 26 27 28 29 30 31 32
33 34 35 36 37 38 39 40
41 42 43 44 45 46 47 48
49 50 51 52 53 54 55 56
57 58 59 60 61 62 63 64
65 66 67 68 69 70 71 72
◀▶▲▼ CNG : OK  SAVE : MENU
```

Fig. 2-5



```
01▶02 03 04 05 06 07 08
09 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24
25 26 27 28 29 30 31 32
33 34 35 36 37 38 39 40
41 42 43 44 45 46 47 48
49 50 51 52 53 54 55 56
57 58 59 60 61 62 63 64
65 66 67 68 69 70 71 72
PLEASE WAIT
```

Fig. 2-6

<Table 2-1 NVRAM Option Number>

COUNTRY	MODELS	OPTION NUMBER
France	SV-657F	2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 19, 20, 21, 26, 29, 32, 33, 34, 35, 36, 38, 40, 45, 47, 50, 60, 61, 63, 65, 72
	SV-655F	2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 20, 21, 26, 32, 33, 34, 35, 36, 38, 40, 45, 47, 49, 50, 60, 61, 63, 65, 72
	SV-651F	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 20, 21, 26, 33, 34, 35, 36, 38, 40, 45, 47, 49, 50, 60, 61, 63, 65, 72
	SV-455F	2, 4, 5, 9, 10, 11, 12, 13, 14, 20, 21, 26, 33, 34, 35, 36, 38, 40, 45, 47, 49, 50, 60, 61, 63, 65, 72
	SV-255F	2, 4, 5, 11, 12, 13, 14, 20, 21, 26, 33, 34, 35, 36, 38, 40, 45, 47, 49, 50, 60, 61, 63, 65, 72
	SV-251F	4, 5, 11, 12, 13, 14, 20, 21, 26, 33, 34, 35, 36, 38, 40, 45, 47, 49, 50, 60, 61, 63, 65, 72
U.K	SV-657B	3, 4, 5, 6, 8, 9, 10, 11, 12, 14, 15, 19, 27, 29, 32, 34, 38, 40, 41, 45, 47, 50, 53, 60, 61, 63, 65, 72
	SV-655B	3, 4, 5, 6, 8, 9, 10, 11, 12, 14, 15, 27, 32, 34, 38, 40, 41, 45, 47, 49, 51, 53, 60, 61, 63, 65, 72
	SV-651B	4, 5, 6, 8, 9, 10, 11, 12, 14, 15, 27, 34, 38, 40, 41, 45, 47, 49, 51, 53, 60, 61, 65, 72
	SV-255B	3, 4, 5, 10, 12, 27, 34, 38, 40, 41, 45, 47, 49, 50, 53, 60, 61, 63, 65, 71, 72
	SV-251B	4, 5, 10, 12, 27, 34, 38, 40, 41, 45, 47, 49, 50, 53, 60, 61, 63, 65, 71, 72
Ireland	SV-651i	4, 5, 6, 8, 9, 10, 11, 12, 14, 15, 25, 26, 34, 38, 40, 43, 45, 47, 49, 51, 53, 60, 61, 63, 65, 72
	SV-251i	4, 5, 10, 12, 25, 26, 34, 38, 40, 43, 45, 47, 49, 50, 53, 60, 61, 63, 65, 71, 72
Spain/Portugal	SV-655X	2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 20, 32, 34, 36, 38, 40, 42, 45, 47, 49, 51, 60, 61, 63, 65, 72
	SV-651X	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 20, 34, 36, 38, 40, 42, 45, 47, 49, 50, 60, 61, 63, 65, 72
	SV-451X	4, 5, 9, 10, 11, 12, 13, 14, 20, 38, 40, 42, 45, 47, 49, 50, 60, 61, 63, 65, 72
	SV-255X	2, 4, 5, 11, 12, 13, 14, 20, 38, 40, 42, 45, 47, 49, 51, 60, 61, 63, 65, 72
	SV-251X	4, 5, 11, 12, 13, 14, 20, 38, 40, 42, 45, 47, 49, 50, 60, 61, 63, 65, 72
Germany/Swiss Austria/ Netherlands	SV-657X	2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 19, 20, 29, 32, 34, 36, 38, 40, 42, 45, 47, 50, 60, 61, 63, 65, 72
	SV-655X	2, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 20, 32, 34, 36, 38, 40, 42, 45, 47, 49, 51, 60, 61, 63, 65, 72
	SV-651X	4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 20, 34, 36, 38, 40, 42, 45, 47, 49, 50, 60, 61, 63, 65, 72
	SV-455X	2, 4, 5, 9, 10, 11, 12, 13, 14, 20, 38, 40, 42, 45, 47, 49, 51, 60, 61, 63, 65, 72
	SV-255X	2, 4, 5, 11, 12, 13, 14, 20, 38, 40, 42, 45, 47, 49, 51, 60, 61, 63, 65, 72
	SV-251X	4, 5, 11, 12, 13, 14, 20, 38, 40, 42, 45, 47, 49, 50, 60, 61, 63, 65, 72
Italy	SV-657X	2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 19, 20, 29, 32, 34, 36, 38, 40, 42, 45, 47, 50, 60, 61, 63, 65, 72
	SV-655X	2, 4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 20, 32, 34, 36, 38, 40, 42, 45, 47, 49, 51, 60, 61, 63, 65, 72
	SV-651X	4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 20, 34, 36, 38, 40, 42, 45, 47, 49, 51, 60, 61, 63, 65, 72
	SV-6515X	4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 20, 34, 36, 38, 40, 42, 45, 47, 49, 50, 51, 52, 60, 61, 63, 65, 72
	SV-6513X	4, 5, 6, 7, 9, 10, 11, 12, 13, 14, 15, 20, 34, 36, 38, 40, 42, 45, 47, 49, 50, 60, 61, 63, 65, 72
	SV-553X	2, 4, 5, 6, 9, 10, 11, 12, 13, 14, 15, 20, 38, 40, 42, 45, 47, 49, 50, 60, 61, 63, 65, 72
	SV-4513X	4, 5, 9, 10, 11, 12, 13, 14, 20, 38, 40, 42, 45, 47, 49, 50, 60, 61, 63, 65, 72
	SV-451X	4, 5, 9, 10, 11, 12, 13, 14, 20, 38, 40, 42, 45, 47, 49, 51, 60, 61, 63, 65, 72
	SV-251X	4, 5, 11, 12, 13, 14, 20, 38, 40, 42, 45, 47, 49, 51, 60, 61, 63, 65, 72
	SV-2515X	4, 5, 11, 12, 13, 14, 20, 38, 40, 42, 45, 47, 49, 50, 51, 52, 60, 61, 63, 65, 72
	SV-2513X	4, 5, 11, 12, 13, 14, 20, 38, 40, 42, 45, 47, 49, 50, 60, 61, 63, 65, 72
Sweden/Norway Finland/Denmark	SV-657X	2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 19, 20, 29, 32, 34, 36, 38, 40, 42, 45, 47, 50, 60, 61, 63, 65, 72
	SV-655X	2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 20, 32, 34, 36, 38, 40, 42, 45, 47, 49, 50, 60, 61, 63, 65, 72
	SV-651X	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 20, 34, 36, 38, 40, 42, 45, 47, 49, 50, 60, 61, 63, 65, 72
	SV-451X	4, 5, 9, 10, 11, 12, 13, 14, 20, 38, 40, 42, 45, 47, 49, 50, 60, 61, 63, 65, 72
	SV-255X	2, 4, 5, 11, 12, 13, 14, 20, 38, 40, 42, 45, 47, 49, 50, 60, 61, 63, 65, 72
	SV-251X	4, 5, 11, 12, 13, 14, 20, 38, 40, 42, 45, 47, 49, 50, 60, 61, 63, 65, 72
	SV-6553X	2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 20, 32, 34, 36, 40, 42, 45, 47, 49, 50, 51, 52, 60, 61, 63, 65, 72
	SV-6513X	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 20, 34, 36, 38, 40, 42, 45, 47, 49, 50, 51, 52, 60, 61, 63, 65, 72
	SV-2553X	2, 4, 5, 11, 12, 13, 14, 20, 38, 40, 42, 45, 47, 49, 50, 51, 52, 60, 61, 63, 65, 72
	SV-2513X	4, 5, 11, 12, 13, 14, 20, 38, 40, 42, 45, 47, 49, 50, 51, 52, 60, 61, 63, 65
	SV-6552X	2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 20, 32, 34, 36, 38, 40, 42, 45, 47, 49, 51, 60, 61, 63, 65, 72
	SV-6512X	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 20, 34, 36, 38, 40, 42, 45, 47, 49, 51, 60, 61, 63, 65, 72
	SV-2552X	2, 4, 5, 11, 12, 13, 14, 20, 38, 40, 42, 45, 47, 49, 51, 60, 61, 63, 65, 72
	SV-2512X	4, 5, 11, 12, 13, 20, 38, 40, 42, 45, 47, 49, 51, 60, 61, 63, 65, 72
Central Europe	SV-657GX	2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 19, 20, 29, 32, 33, 34, 36, 38, 42, 45, 47, 50, 60, 61, 63, 65, 72
	SV-655GX	2, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 20, 32, 33, 34, 36, 38, 42, 45, 47, 49, 51, 60, 61, 63, 65, 72
	SV-651GX	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 20, 33, 34, 36, 38, 42, 45, 47, 49, 50, 60, 61, 63, 65, 72
	SV-455GX	2, 9, 10, 11, 12, 13, 14, 20, 33, 34, 36, 38, 42, 45, 47, 49, 51, 60, 61, 63, 65, 72
	SV-451GX	9, 10, 11, 12, 13, 14, 20, 33, 34, 36, 38, 42, 45, 47, 49, 50, 60, 61, 63, 65, 72
	SV-255GX	2, 11, 12, 13, 14, 20, 33, 34, 36, 38, 42, 45, 47, 49, 51, 60, 61, 63, 65, 72
	SV-251GX	11, 12, 13, 14, 20, 33, 34, 36, 38, 42, 45, 47, 49, 50, 60, 61, 63, 65, 72

3. Exploded View and Parts List

Page

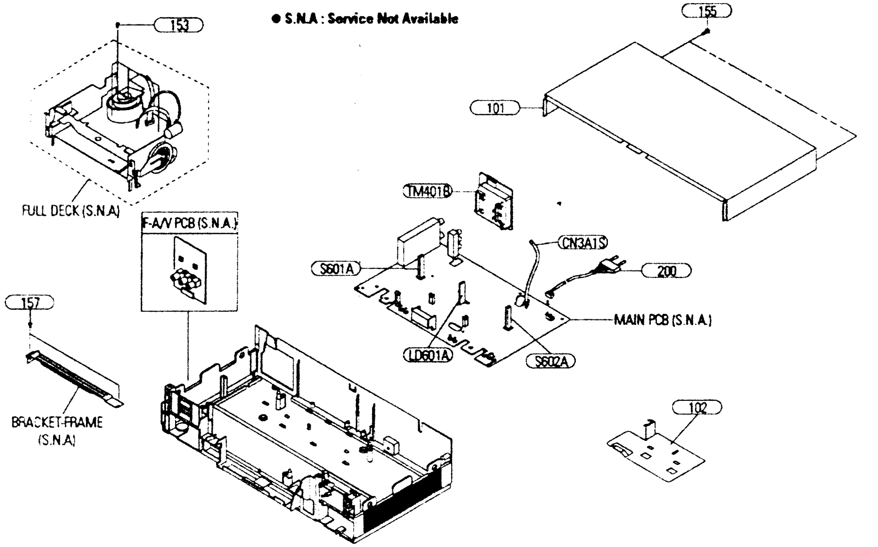
3-1 Cabinet Assembly -- 3-2

3-2 Mechanical Parts (Top Side) ---------------------------------- 3-6

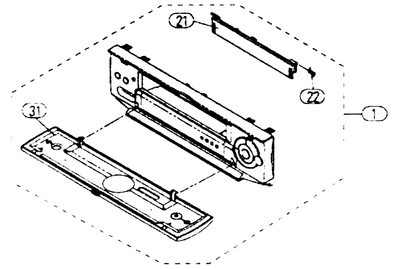
3-3 Mechanical Parts (Bottom Side) ------------------------------ 3-8

3-1 Cabinet Assembly

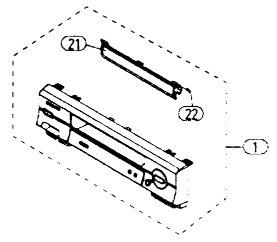
● S.N.A : Service Not Available


153
155
101
FULL DECK (S.N.A)
TM401B
F-A/V PCB (S.N.A.)
CN3A1S
S601A
200
MAIN PCB (S.N.A)
157
LD601A
S602A
102
BRACKET-FRAME (S.N.A)

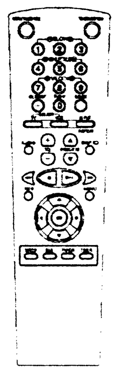
SV-657F/657B/657X/657GX



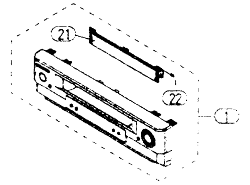
SV-651X/451X/251X/655B/651B/651i/655X/255X/455X/6552X/6512X/2552X/2512X/655GX/455GX/255GX



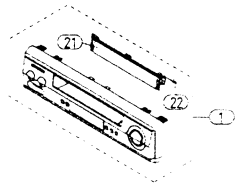
UT01



SV-655F/651F/455F/451F/255F/251F/255B/251B/251i/651X/451X/251X/6513X/553X/4513X/2513X/655X/255X/651GX/451GX/251GX



SV-6515X/2515X/6553X/6513X/2553X/2513X

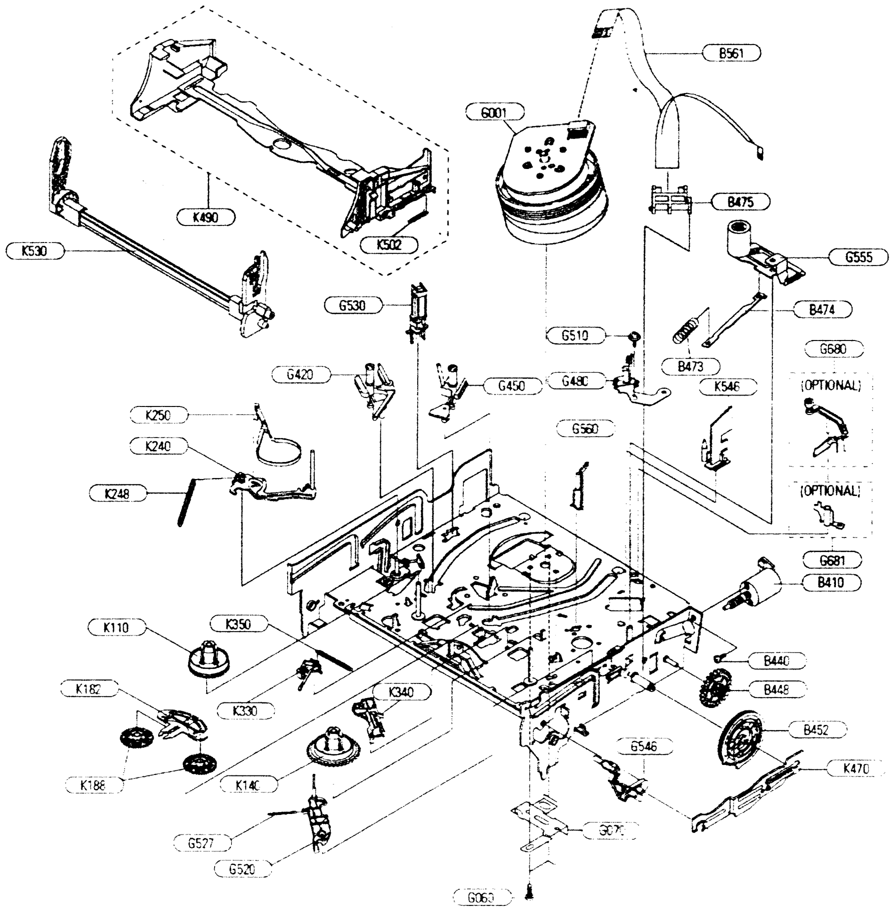


Loc. No	Parts No.	Description ; Specification	Remark
1	**Refer to table ; page 3-4**	ASSY-PANEL FRONT;	
21	**Refer to table ; page 3-4**	DOOR-CASSETTE;	
22	AC61-62032A	SPRING ETC-MASK;SV-C130,SUS,4.4,-,-,-,-,	
31	AC97-01853A	ASSY-DOOR FRONT;HIPS94HB,SV-657F/XEF,SIL	SV-657F/657B/657X/657GX ONLY
55	AC61-30164D	LOCKER-CODO ASSY L;-,LUCEL+SECC+SUS,-,-,	OPTIONAL
56	AC61-30164C	LOCKER-CODO ASSY R;-,LUCEL+SECC+SUS,-,BL	OPTIONAL
101	AC64-01054A	CABINET-TOP;SV-653F,PCM(SECC),T0.525,-,-	
102	AC63-00074A	COVER-BOTTOM;SV-653F,SECC,T0.5,-,-,-,-,-	
153	AC60-12126A	SCREW-BH;-,-,FE,FZY,BH,-,-,4*12,-,-	
155	AC60-12134A	SCREW-TAP BH;-,FZB,2-4X16,FE,BH,-,-,2-4X	
157	AC60-10063A	SCREW-TAPTITE;-,-,L12,ZPC3,+,-,M3,-,SWRC	
200	AC39-10019A	POWER CORD;KKP-419C,H03VVH2-F,VDE/KEMA-K	COMMON
	AC39-12022K	POWER CORD;Y352160,H03VVH2-F,-,BS6500,1.	U.K. ONLY
LD601A	AC61-21009A	HOLDER-LED;X-9,POM(M90-44),-,-,-,BLK,-	
S601A	AC61-00229A	HOLDER-SENSOR;SCORPIO2,POM,-,-,-,BLACK,-	
S602A	AC61-00229A	HOLDER-SENSOR;SCORPIO2,POM,-,-,-,BLACK,-	
TM401B	AC61-00148A	CHASSIS-ASSY;SV-643F/XEF,HIPS94HB(MOLD),	COMMON
	AC61-00152A	CHASSIS-ASSY;V-611UK,HIPS94HB(MOLD),T2,-	U.K. ONLY
UT01	**Refer to table ; page 3-4**	REMOCON-ASSY;PAL_M4,-,-,-,38KEY,-,-,-,-,	

COUNTRY	MODELS	1	21	UT01
France	SV-657F	AC97-01852A	AC64-00403Q	AC59-00048D
	SV-655F	AC97-01617Q	AC64-00985Q	AC59-00048D
	SV-651F	AC97-01617R	AC64-00985R	AC59-00049D
	SV-455F	AC97-01617A	AC64-00985Z	AC59-00049D
	SV-451F	AC97-01617S	AC64-00985S	AC59-00049D
	SV-255F	AC97-01617T	AC64-00985T	AC59-00049D
	SV-251F	AC97-01617U	AC64-00985U	AC59-00049D
U.K	SV-657B	AC97-01852C	AC64-00403S	AC59-00048C
	SV-655B	AC97-01822F	AC64-01039F	AC59-00048C
	SV-651B	AC97-01822A	AC64-01039G	AC59-00049C
	SV-255B	AC97-01617B	AC64-00985B	AC59-00049C
	SV-251B	AC97-01617C	AC64-00985C	AC59-00049C
Ireland	SV-651i	AC97-01822G	AC64-01039H	AC59-00049C
	SV-251i	AC97-01617D	AC64-00985D	AC59-00049C
Spain/Portugal	SV-655X	AC97-01822C	AC64-01039C	AC59-00048C
	SV-651X	AC97-01617E	AC64-00985E	AC59-00049C
	SV-451X	AC97-01617F	AC64-00985F	AC59-00049C
	SV-255X	AC97-01822B	AC64-01039B	AC59-00049C
	SV-251X	AC97-01617G	AC64-00985G	AC59-00049C
Germany/Swiss Austria/Netherlands	SV-657X	AC97-01852B	AC64-00403R	AC59-00048C
	SV-655X	AC97-01822C	AC64-01039C	AC59-00048C
	SV-651X	AC97-01617E	AC64-00985E	AC59-00049C
	SV-455X	AC97-01822E	AC64-01039E	AC59-00049C
	SV-255X	AC97-01822B	AC64-01039B	AC59-00049C
	SV-251X	AC97-01822B	AC64-00985G	AC59-00049C
Italy	SV-657X	AC97-01852B	AC64-00403R	AC59-00048C
	SV-655X	AC97-01822C	AC64-01039C	AC59-00048C
	SV-651X	AC97-01822L	AC64-01118A	AC59-00049C
	SV-6515X	AC97-01618F	AC64-00936B	AC59-00049C
	SV-6513X	AC97-01618G	AC64-00936C	AC59-00049C
	SV-553X	AC97-01617W	AC64-00985W	AC59-00049C
	SV-4513X	AC97-01617F	AC64-00985F	AC59-00049C
	SV-451X	AC97-01617F	AC64-00985F	AC59-00049C
	SV-251X	AC97-01822N	AC64-01118D	AC59-00049C
	SV-2515X	AC97-01618H	AC64-00936D	AC59-00049C
	SV-2513X	AC97-01617Y	AC64-00985Y	AC59-00049C

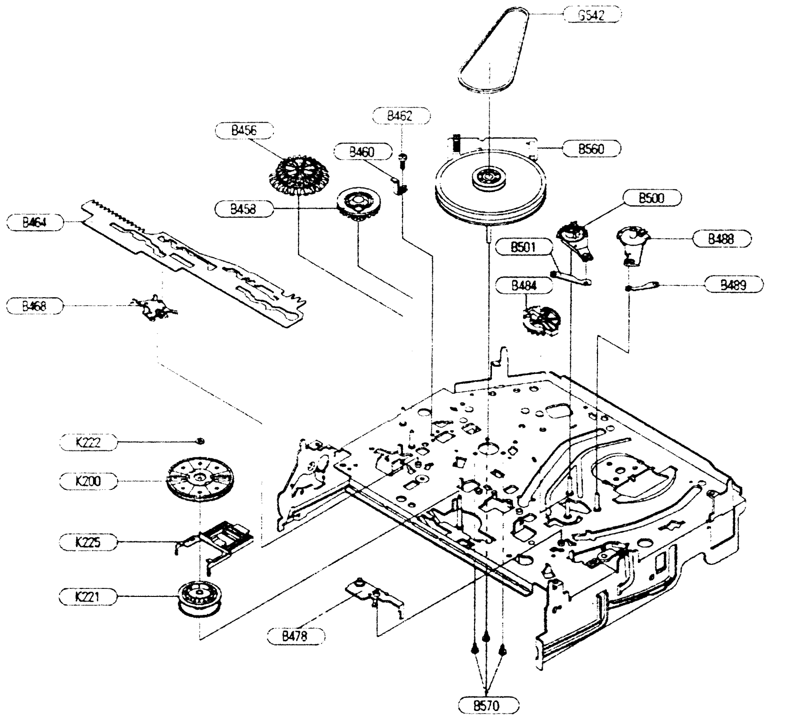
COUNTRY	MODELS	1	21	UT01
Sweden/Norway Finland/Denmark	SV-657X	AC97-01852B	AC64-00403R	AC59-00048C
	SV-655X	AC97-01617H	AC64-00985H	AC59-00048C
	SV-651X	AC97-01617E	AC64-00985E	AC59-00049C
	SV-451X	AC97-01617F	AC64-00985F	AC59-00049C
	SV-255X	AC97-01617J	AC64-00985J	AC59-00049C
	SV-251X	AC97-01617G	AC64-00985G	AC59-00049C
	SV-6553X	AC97-01618K	AC64-00936F	AC59-00048C
	SV-6513X	AC97-01618G	AC64-00936C	AC59-00049C
	SV-2553X	AC97-01618L	AC64-00936G	AC59-00049C
	SV-2513X	AC97-01618J	AC64-00936E	AC59-00049C
	SV-6552X	AC97-01822P	AC64-01039Q	AC59-00048C
	SV-6512X	AC97-01822Q	AC64-01039R	AC59-00049C
	SV-2552X	AC97-01618L	AC64-00936G	AC59-00049C
	SV-2512X	AC97-01618J	AC64-00936E	AC59-00049C
Central Europe	SV-657GX	AC97-01852D	AC64-00403T	AC59-00048C
	SV-655GX	AC97-01822H	AC64-01039J	AC59-00048C
	SV-651GX	AC97-01617K	AC64-00985K	AC59-00049C
	SV-455GX	AC97-01822J	AC64-01039K	AC59-00049C
	SV-451GX	AC97-01617L	AC64-00985L	AC59-00049C
	SV-255GX	AC97-01822K	AC64-01039L	AC59-00049C
	SV-251GX	AC97-01617M	AC64-00985M	AC59-00049C

3-2 Mechanical Parts (Top Side)


B561
G001
K490
K502
K530
B475
G555
G530
B474
G510
G680
B473
G420
G450
G480
K546
(OPTIONAL)
K250
G560
K240
K248
(OPTIONAL)
G681
B410
K110
K350
B440
B448
K182
K330
K340
B452
G546
K470
K188
K140
G070
G527
G520
G063

Loc. No	Parts No.	Description ; Specification	Remark
B410	AC31-00018A	MOTOR-LOADING ASSY;-,SCORPIO2(TS-10A),-,	
B440	AC60-10515A	SCREW-MACHINE;-,-,M3,L3,PH,-,-,-,ZPC,-	
B448	AC66-00008A	GEAR-WORM WHEEL;TS-10,POM,0.3,40,-,NAT,3	
B452	AC66-00011A	GEAR-FL CAM;TS-10,POM,0.8,59,-,BLK,48,48	
B473	AC61-00105A	SPRING ETC-PINCH DRIVE;TS-10,SUS304-WPB,	
B474	AC61-30180A	PLATE-JOINT;X-9,SECC20/20,T0.8,-,-,-,-	
B475	AC47-00003A	DAMPER-CAPSTAN;SCORPIO2,POM, NATUAL,-,-,	
B561	3809-001270	CABLE-FLAT;30V,80C,140MM,10P,1.25MM,UL28	
G001	AC97-01754A	ASSY-CYLINDER;5P-SEM'S HEAD,CTS10A-SEM,P	OTHER MODELS
	AC97-01748A	ASSY-CYLINDER;	SV-2512X/2513X/2515X/2519X/251X/2552X/2553X/255GX/255X
	AC97-01750A	ASSY-CYLINDER;	SV-251i/255X
	AC97-01752A	ASSY-CYLINDER;	SV-4513X/451G/451X/455GX/455X ONLY
G060	6006-001092	SCREW-ASS'Y MACH;WS,PH,+,M3.0,L6.0,ZPC(Y	
G070	AC61-00161A	PLATE-GROUND DECK;TS-10,SPTE,T0.3,-,-,-,	
G420	AC66-80142A	SLIDER-SUPPLY ASSY;X-9,X-9(TS),-,-,-,-,-	
G450	AC66-80141A	SLIDER-TAKE UP ASSY;X-9,X-9(TS),-,-,-,-,	
G480	AC97-01660A	ASSY-HEAD ACE;-,SCORPIO2(TS-10A),VTR-1*2	
G510	6006-001075	SCREW-ASS'Y TAPT;WSP,PH,+,M2.6,L5.0,ZPC(	
G520	AC66-00033A	LEVER-#9 GUIDE ASS'Y;TS-10,-,-,-,-,-,-,-	
G527	AC61-60553A	SPRING ETC-GUIDE 9;X-9,SUS304-WPB,0.25,-	
G530	AC33-00007A	HEAD-FE;-,-,HVFHP0043A,-,-	
G546	AC66-00005A	LEVER-FL DOOR;TS-10,POM,-,-,-,-,NAT,-	
G555	AC66-00032A	LEVER-UNIT PINCH ASS'Y;TS-10,-,-,-,-,-,-	
K110	AC66-10267A	REEL-DISK S;X-9,POM,-,-,-,-,-,-	
K140	AC66-10268A	REEL-DISK T;X-9,POM,-,-,-,-,-,-	
K182	AC66-30524A	LEVER-IDLER;-,POM,-,-,-,-,-,-	
K188	AC66-00039A	GEAR-IDLE;TS-10,PET K3372,0.5,-,-,NTR,28	
K240	AC66-00035A	LEVER-TENSION ASS'Y;TS-10,SECC E20/20+SU	
K248	AC61-00107A	SPRING ETC-TENSION LEVER;TS-10,SUS304-WP	
K250	AC69-00104A	BAND-BRAKE ASS'Y;TS-10,-,-,-,-,-,-	
K330	AC66-30550A	LEVER-S.BRAKE ASSY;-,POM+SUS,-,-,-,X-9	
K340	AC66-30549A	LEVER-T.BRAKE ASSY;-,POM+SUS,-,-,-,X-9	
K350	AC61-00106A	SPRING ETC-BRAKE;TS-10,SUS304-WPB,-,-,-,	
K470	AC66-00020A	SLIDER-FL DRIVE;TS-10,SECC E20/20,1.0,-,	
K490	AC61-00120A	HOLDER-FL CASS. ASS'Y;TS-10,-,-,-,-,-,-	
K502	AC61-60561A	SPRING ETC-FL.LEVER-LR;X-9,SUS304 WPB,OD	
K530	AC66-00034A	LEVER-FL ARM ASS'Y;TS-10,-,-,-,-,-,-,-	
K546	AC61-50658A	GUIDE-CASS. DOOR;X-9,POM,-,-,-,NTR	

3-3 Mechanical Parts (Bottom Side)



Loc. No	Parts No.	Description ; Specification	Remark
B456	AC66-00009A	GEAR-JOINT 1;TS-10,POM,1.5,17.5(22),-,NA	
B458	AC66-00012A	GEAR-JOINT 2;TS-10,POM,1.0,23,-,BLK,24.6	
B460	AC61-00090A	BRACKET-GEAR;TS-10,SECC E20/20,0.8,-,-,-	
B462	AC60-10517A	SCREW-TAP TITE;-,-,M2.6,L5,PH,+,-,-,ZPC,	
B464	AC66-00019A	SLIDER-CAM;TS-10,SECC E20/20,1.2,-,-,-,-	
B468	AC66-00017A	LEVER-PINCH DRIVE;TS-10,SECC E20/20,1.0	
B478	AC66-00016A	LEVER-TENSION DRIVE;TS-10,SECC E20/20,1	
B484	AC66-00030A	GEAR-LOADING DR. ASS'Y;TS-10,POM+SWPB,-,	
B488	AC66-00023A	LEVER-S LOADING;TS-10,POM,-,-,-,-,NAT,-	
B489	AC66-00021A	LINK-LOADING S;TS-10,SECC E20/20,0.8,-,-	
B500	AC66-00024A	LEVER-T LOADING;TS-10,POM,-,-,-,-,NAT,-	
B501	AC66-00022A	LINK-LOADING T;TS-10,SECC E20/20,0.8,-,-	
B560	AC31-00016A	MOTOR-CAPSTAN;F2QVB05,SCORPIO2(TS-10A),-	
B570	AC60-10514A	SCREW-CAPSTAN;-,-,M2.6,L6,PH,+,-,-,-,-	
G542	AC66-60051A	BELT-PULLEY;-,5CM-70,2 * 2,-,71.3,-,X-9	
K200	AC61-21012A	HOLDER-CLUTCH ASSY;X-9,-,-,-,-,-,-	
K221	AC66-20581A	GEAR-CENTER ASSY;-,POM,M=0.5,-,HIGHT T.,	
K222	AC60-30306A	WASHER-SLIT;-,-,ID2.1,OD5.0,T0.5,-,POLYS	
K225	AC66-00006A	LEVER-UP DOWN;TS-10,POM,-,-,-,-,NAT,-	

MEMO

4. Electrical Parts List

4-1 Hi-Fi Models

Loc.No	Part No	Description ; Specification	Remark
-	-	**ASSY PCB-MAIN FULL;**	S.N.A.
S.M.P.S. PARTS			
BD1SD1	AC27-92001M	INDUCTOR;RH3.5X6.5RS,BEAD-RADIAL,-,-	
BD1SR1	3301-000297	CORE-FERRITE BEAD;AA,3.5x1.2x5.7mm,1400,	
BD1SS1	AC27-92001M	INDUCTOR;RH3.5X6.5RS,BEAD-RADIAL,-,-	
BD1SS2	AC27-92001M	INDUCTOR;RH3.5X6.5RS,BEAD-RADIAL,-,-	
C1SD03	2201-000812	C-CERAMIC,DISC;2.2nF,20%,400V,Y5U,BK,12	
C1SD04	2201-000812	C-CERAMIC,DISC;2.2nF,20%,400V,Y5U,BK,12	
C1SD11	2401-003302	C-AL;47uF,20%,400V,GP,TP,10X31 5,7.	
C1SD12	2305-001029	C-FILM,MPEF;10nF,10%,630V,TP,12x9x12.5,5	
C1SD13	2301-000361	C-FILM,PEF;1.2nF,10%,50V,TP,-,5mm	
C1SR12	2401-000905	C-AL;22uF,20%,16V,BP,-,5x11.2,5mm	
C1SR14	2301-000445	C-FILM,PEF;4.7nF,5%,50V,TP,5.5x7x3mm,5mm	
C1SS01	2305-001021	C-FILM,MPEF;100nF,20%,275V,TP,17.5x7x13.	⚠
C1SS02	2305-001021	C-FILM,MPEF;100nF,20%,275V,TP,17.5x7x13.	⚠
C1SS12	2201-000129	C-CERAMIC,DISC;0.1nF,10%,1kV,Y5P,TP,7x4,	
C1SS13	2201-000129	C-CERAMIC,DISC;0.1nF,10%,1kV,Y5P,TP,7x4,	
C1SS31	2401-000385	C-AL;10uF,20%,100V,GP,TP,6.3x11,5	
C1SS32	2401-003137	C-AL;330UF,20%,50V,WT,TP,10X15MM,5	
C1SS33	2401-003477	C-AL;330UF,20%,25V,LZ,TP,10X12.5MM,	
C1SS34	2401-003477	C-AL;330UF,20%,25V,LZ,TP,10X12.5MM,	
C1SS35	2401-003480	C-AL;1000UF,20%,10V,LZ,TP,10X16MM,5	
C1SS36	2401-000118	C-AL;1000uF,20%,10V,GP,TP,10x12.5,5	
C1SS39	2301-000129	C-FILM,PEF;100nF,5%,50V,TP,10X9X4.3X5,5m	
CN1SS1	3711-000178	CONNECTOR-HEADER;1WALL,2P,1R,3.96mm,STRA	
D1SD11	0402-001195	DIODE-RECTIFIER;F1T4,400V,1.0A,TS-1,TP	
D1SD31	0402-001195	DIODE-RECTIFIER;F1T4,400V,1.0A,TS-1,TP	
D1SR11	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D1SS01	0402-001195	DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP	
D1SS02	0402-001196	DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP	
D1SS03	0402-001196	DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP	
D1SS04	0402-001196	DIODE-RECTIFIER;1T5,600V,1A,TS-1,TP	
D1SS11	0402-000812	DIODE-RECTIFIER;UF4007,1KV,1A,DO-41,TP	
D1SS31	0402-001195	DIODE-RECTIFIER;F1T4,400V,1.0A,TS-1,TP	
D1SS32	0402-001194	DIODE-RECTIFIER;UG2D,200V,2A,DO-204AC,TP	
D1SS33	0404-001087	DIODE-SCHOTTKY;SG45,45V,7500mA,TO-220A,B	
F1SS01	3601-001123	FUSE-CARTRIDGE;250V,1.6A,TIME-LAG,CERAMI	⚠
IC1SS1	0604-000186	PHOTO-COUPLER;TR,-,200mW,DIP-4,ST	⚠
IC1SS2	AC14-12006B	IC;KA431Z,TO-92,TAPING	
L1SS02	AC29-00002A	FILTER LINE NOISE;-,30mH,-,-,BLF-2116	⚠
L1SS31	AC27-12001M	COIL-CHOKE;10UH-15%,RA,K-30,080,150KHZ,-	
L1SS32	AC27-12001M	COIL-CHOKE;10UH-15%,RA,K-30,080,150KHZ,-	
PT1SS1	AC26-00002G	TRANS SWITCHING;EE2521,SV-643F,-,230V,FE	⚠
Q1SR01	0502-001207	TR-POWER;-,NPN,40000MW,TO-220F,ST,15-30	
Q1SR02	0501-000442	TR-SMALL SIGNAL;KTC3203-Y,NPN,400mW,TO-9	
R1SD11	2001-000305	R-CARBON;110KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1SD12	2001-000803	R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R1SD13	2001-000305	R-CARBON;110KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1SD14	2001-000305	R-CARBON;110KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1SD15	2001-000305	R-CARBON;110KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1SD16	2003-000894	R-METAL OXIDE(S);33Kohm,5%,2W,AF,TP,3.9x	
R1SD31	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R1SD32	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1SR11	2003-000119	R-METAL OXIDE;0.68ohm,5%,2W,AE,TP,5x16mm	
R1SR12	2003-000254	R-METAL OXIDE;300ohm,5%,1W,AD,TP,4.3x12m	
R1SR14	2001-000803	R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R1SS10	2005-000252	R-CEMENT;2.7ohm,10%,2W,CB,TP,7.5x11x20	
R1SS11	2003-000894	R-METAL OXIDE(S);33Kohm,5%,2W,AF,TP,3.9x	

Loc.No	Part No	Description ; Specification	Remark
R1SS32	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R1SS33	2004-000869	R-METAL;3Kohm,1%,1/8W,AA,TP,1.8x3.2mm	
R1SS34	2004-000459	R-METAL;2.2Kohm,1%,1/8W,AA,TP,1.8x3.2m	
VA1SS1	1405-001026	VARISTOR;470V,300A,5x7mm,TP	⚠
ZD1SS1	0403-000571	DIODE-ZENER;UZP43B,43V,40-46V,1W,DO-41,T	
POWER DRIVE PARTS			
C1P102	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C1P103	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C1P104	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C1P105	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C1P106	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C1P108	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C1P109	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C1P120	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
D1P101	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D1P102	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D1P103	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
Q1P101	0501-000616	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L	
Q1P102	0501-000616	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L	
Q1P103	0501-000616	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L	
Q1P104	0501-000610	TR-SMALL SIGNAL;KSA928A-Y,PNP,1W,TO-92L,	
Q1P105	0504-000116	TR-DIGITAL;KSR1001,NPN,300MW,4.7K/4.7K,T	
Q1P106	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q1P107	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K/4.7K,T	
Q1P108	0501-000616	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L	
R1P101	2001-000855	R-CARBON;560OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R1P102	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R1P103	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R1P104	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1P105	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R1P106	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1P107	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R1P108	2001-000611	R-CARBON;3.9KOHM,5%,1/4W,AA,TP,2.4X6.4M	
R1P109	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1P110	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1P115	2001-000554	R-CARBON;270OHM,5%,1/8W,AA,TP,1.8X3.2MM	
ZD1P01	0403-000717	DIODE-ZENER;MTZJ5.1B,5.1V,4.94-5.2V,500m	
ZD1P02	0403-000717	DIODE-ZENER;MTZJ5.1B,5.1V,4.94-5.2V,500m	
ZD1P03	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
ZD1P04	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
SYSTEM CONTROL/SERVO PARTS			
C601	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C602	2203-000609	C-CERAMIC,CHIP;22nF,10%,50V,X7R,TP,2012	
C605	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C607	2401-002259	C-AL;0.1F,+80-20%,5.5V,-,TP,12.5x11	BACK-UP(1HR) ONLY
C609	2203-000609	C-CERAMIC,CHIP;22nF,10%,50V,X7R,TP,2012	
C618	2401-000360	C-AL;100uF,20%,35V,GP,TP,8x11.5,5	
C620	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C622	2203-001137	C-CERAMIC,CHIP;56nF,+80-20%,50V,Y5V,TP,2	
C623	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C624	2203-000634	C-CERAMIC,CHIP;0.022nF,5%,50V,NP0,TP,201	BACK-UP(1HR) ONLY
C625	2203-000634	C-CERAMIC,CHIP;0.022nF,5%,50V,NP0,TP,201	BACK-UP(1HR) ONLY
C626	2203-000634	C-CERAMIC,CHIP;0.022nF,5%,50V,NP0,TP,201	
C627	2203-000634	C-CERAMIC,CHIP;0.022nF,5%,50V,NP0,TP,201	
C633	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C634	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	

Loc.No	Part No	Description ; Specification	Remark
C635	2203-000495	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,2012	
C636	2203-000495	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,2012	
C637	2203-000938	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,2012	
C638	2401-002196	C-AL;4.7UF,20,25V,GP,TP,4X5.5MM,-	
C639	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
C640	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C641	2401-002155	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C642	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C644	2202-000886	C-CERAMIC,MLC-AXIAL;220pF,10%,50V,Y5P,TP	
C646	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C650	2203-000495	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,2012	
C651	2203-000609	C-CERAMIC,CHIP;22nF,10%,50V,X7R,TP,2012	
C652	2401-002155	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C655	2202-000791	C-CERAMIC,MLC-AXIAL;150pF,10%,50V,Y5P,TP	
C679	2203-000609	C-CERAMIC,CHIP;22nF,10%,50V,X7R,TP,2012	
C680	2401-000118	C-AL;1000uF,20%,10V,GP,TP,10x12.5,5	
C681	2401-002155	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C690	2203-000989	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012	
C691	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C692	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C693	2401-001992	C-AL;2200UF,20%,10V,WT,TP,10X20MM,5	
C695	2203-000361	C-CERAMIC,CHIP;0.15nF,5%,50V,NP0,TP,2012	
C697	2203-000609	C-CERAMIC,CHIP;22nF,10%,50V,X7R,TP,2012	
C698	2203-000802	C-CERAMIC,CHIP;33nF,10%,50V,X7R,TP,2012	AUDIO DUB ONLY
CN604	3711-004833	CONNECTOR-HEADER;BOX,12P,2R,2MM,STRAIGHT	
D603	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D605	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D612	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
IC601	AC09-00307A	IC-MICOM;N120-A68-3BA,SV-655F-01,100PIN	OTHER MODELS
IC601	AC09-00338A	IC-MICOM;N128-A72-3BA,SV-655GX-01,100PI	SV-651GX,655GX,657GX ONLY
IC604	AC14-12006C	IC;KA7533,DIP,-	
IC605	1103-001150	IC-EEPROM;S24C08B,8KBIT,DIP,8P,300MIL	
IC608	1203-000515	IC-VOL. DETECTOR;7042,TO-92,3P,177MIL,PL	BACK-UP(1HR) ONLY
L602	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
L603	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
LD601	0601-000517	LED-IR;RECTANGULA,4x5.0mm,75mW,5V,950	
PT601	0604-001206	PHOTO-INTERRUPTER;TR,-,150mW,CY5894102,B	
PT602	0604-001206	PHOTO-INTERRUPTER;TR,-,150mW,CY5894102,B	
Q601	0504-000119	TR-DIGITAL;KSR1004,NPN,300MW,47K/47K,TO-	
Q603	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	AUDIO DUB ONLY
R601	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R602	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R603	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R604	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R605	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R607	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R608	2001-000864	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R609	2001-000864	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R610	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R611	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R613	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	BACK-UP(1HR) ONLY
R614	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R630	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R631	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R632	2001-000837	R-CARBON;51KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R637	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R638	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R639	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R640	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R641	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R642	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R644	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R651	2007-000001	R-CHIP;68KOHM,5%,1/10W,DA,TP,2012	
R656	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R657	2001-000010	R-CARBON;68KOHM,5%,1/8W,AA,TP,1.8X3.2MM	BACK-UP(1HR) ONLY
R660	2001-000786	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	

Loc.No	Part No	Description ; Specification	Remark
R661	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R666	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R667	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R668	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R669	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R670	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R671	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R672	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R674	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R675	2001-000032	R-CARBON;180OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R676	2007-000728	R-CHIP;30KOHM,5%,1/10W,DA,TP,2012	
R678	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R679	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R682	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R685	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
R690	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R691	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R692	2001-000568	R-CARBON;27OHM,5%,1/8W,AA,TP,1.8X3.2MM	BACK-UP(1HR) ONLY
R693	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R694	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R695	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	FRANCE models ONLY
R696	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R697	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	FRANCE models ONLY
R698	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RS601	AC34-20100B	SWITCH-REC;-,-,X-9,-	
S601	0603-001011	PHOTO TR;NPN,35V,5V,50mA,75mW,BK	
S602	0603-001011	PHOTO TR;NPN,35V,5V,50mA,75mW,BK	
SW601	AC34-20100A	SWITCH-MODE;-,-,X-9,-	
XT601	2801-003318	CRYSTAL-UNIT;32.768KHz,20ppm,28-AAP,12.5	BACK-UP(1HR) ONLY
XT602	2801-003139	CRYSTAL-UNIT;8MHz,50ppm,28-AAA,22pF,80ohm	
AUDIO/VIDEO PARTS			
C315	2203-000989	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012	
C317	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C318	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C319	2203-000844	C-CERAMIC,CHIP;39nF,10%,50V,X7R,TP,2012,	
C320	2202-002055	C-CERAMIC,MLC-AXIAL;47nF,+80-20%,50V,Y5V	
C321	2202-000807	C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
C322	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C324	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C325	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C326	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C327	2202-000720	C-CERAMIC,MLC-AXIAL;8.2nF,20%,16V,Y5R,TP	
C328	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C329	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C330	2203-000989	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012	
C331	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C332	2202-000854	C-CERAMIC,MLC-AXIAL;47nF,30%,50V,Y5R,TP,	
C333	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C334	2203-000989	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012	
C335	2203-000925	C-CERAMIC,CHIP;470NF,+80-20%,50V,Y5V,TP,	
C336	2202-000854	C-CERAMIC,MLC-AXIAL;47nF,30%,50V,Y5R,TP,	
C337	2203-000925	C-CERAMIC,CHIP;470NF,+80-20%,50V,Y5V,TP,	
C338	2202-000807	C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
C339	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C340	2401-001226	C-AL;4.7uF,20%,16V,BP,TP,4x7,5mm	
C341	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C342	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C343	2203-000476	C-CERAMIC,CHIP;1000nF,+80-20%,16V,Y5V,TP	
C344	2203-000321	C-CERAMIC,CHIP;0.12nF,5%,50V,SL,TP,2012	
C345	2203-000555	C-CERAMIC,CHIP;0.22nF,5%,50V,NP0,TP,2012	
C346	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C347	2203-000476	C-CERAMIC,CHIP;1000nF,+80-20%,16V,Y5V,TP	
C348	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C349	2203-000476	C-CERAMIC,CHIP;1000nF,+80-20%,16V,Y5V,TP	
C350	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	

Loc.No	Part No	Description ; Specification	Remark
C351	2401-002095	C-AL,47uF,20%,25V,GP,TP,6.3x5,5	
C352	2401-000598	C-AL,1uF,20%,50V,GP,TP,4x7,5	
C353	2401-000598	C-AL,1uF,20%,50V,GP,TP,4x7,5	
C354	2401-002095	C-AL,47uF,20%,25V,GP,TP,6.3x5,5	
C355	2202-000854	C-CERAMIC,MLC-AXIAL,47nF,30%,50V,Y5R,TP,	
C356	2203-000239	C-CERAMIC,CHIP,0.1nF,5%,50V,NP0,TP,2012	
C371	2203-000250	C-CERAMIC,CHIP,10nF,10%,50V,X7R,TP,2012	
C372	2203-000206	C-CERAMIC,CHIP,100nF,10%,50V,X7R,TP,2012	
C380	2202-000807	C-CERAMIC,MLC-AXIAL,22nF,+80-20%,25V,Y5V	
C384	2203-000206	C-CERAMIC,CHIP,100nF,10%,50V,X7R,TP,2012	CANAL OPTION
C385	2401-002155	C-AL,100uF,20%,16V,GP,TP,6.3x7,5	CANAL OPTION
C3A01	2401-003122	C-AL,4.7uF,20%,50V,LL,TP,4X7,1.5	
C3A02	2401-000922	C-AL,22uF,20%,16V,GP,TP,5x5,5	
C3A08	2203-000250	C-CERAMIC,CHIP,10nF,10%,50V,X7R,TP,2012	
C3A09	2203-001105	C-CERAMIC,CHIP,6.8nF,10%,50V,X7R,TP,2012	
C3A10	2203-001214	C-CERAMIC,CHIP,8.2nF,10%,50V,X7R,TP,2012	
C3A11	2301-000174	C-FILM,PEF,15nF,5%,100V,TP,7.2x4.0x7.5mm	OTHER MODELS
C3A11	2301-000176	C-FILM,PEF,18nF,5%,100V,TP,10X5X4.3X5.5m	SV-657F/657S/657L/657GX ONLY
C3A12	2401-002095	C-AL,47uF,20%,25V,GP,TP,6.3x5,5	
C3A14	2203-000938	C-CERAMIC,CHIP,0.47nF,5%,50V,NP0,TP,2012	
C3A15	2203-000250	C-CERAMIC,CHIP,10nF,10%,50V,X7R,TP,2012	
C3A16	2401-003122	C-AL,4.7uF,20%,50V,LL,TP,4X7,1.5	
C3A17	2401-000414	C-AL,10uF,20%,16V,GP,TP,4x7,5	
C3A18	2203-001223	C-CERAMIC,CHIP,0.82nF,10%,50V,X7R,TP,2012	
C3A21	2203-000170	C-CERAMIC,CHIP,1.8nF,10%,50V,X7R,TP,2012	
C3A23	2401-002069	C-AL,33uF,20%,16V,GP,TP,6.3x5,5	
C3A24	2203-000206	C-CERAMIC,CHIP,100nF,10%,50V,X7R,TP,2012	
C3A25	2203-000206	C-CERAMIC,CHIP,100nF,10%,50V,X7R,TP,2012	
C3A30	2401-002095	C-AL,47uF,20%,25V,GP,TP,6.3x5,5	
C3A40	2401-000414	C-AL,10uF,20%,16V,GP,TP,4x7,5	
C3A41	2401-000598	C-AL,1uF,20%,50V,GP,TP,4x7,5	
C3D01	2301-000415	C-FILM,PEF,22nF,5%,50V,TP,6.5x10.5x4mm,5	AUDIO DUB ONLY
C3D02	2401-000922	C-AL,22uF,20%,16V,GP,TP,5x5,5	AUDIO DUB ONLY
C3D03	2401-000922	C-AL,22uF,20%,16V,GP,TP,5x5,5	AUDIO DUB ONLY
C3D04	2203-000938	C-CERAMIC,CHIP,0.47nF,5%,50V,NP0,TP,2012	AUDIO DUB ONLY
CN301	3708-000391	CONNECTOR-FPC/FFC/PIC,18P,1.25mm,STRAIGH	
CN3A01	3708-001155	CONNECTOR-FPC/FFC/PIC,5P,1.25mm,STRAIGHT	
CN3A02	3710-001548	CONNECTOR-SOCKET,2P,1R,2.5mm,STRAIGHT,SN	
CN3A15	3809-001206	CABLE-FLAT,30V,-20to+80C,140mm,5P,1.25mm	
D301	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35,	
D302	0402-000127	DIODE-RECTIFIER,1N4002,100V,1A,DO-41,TP	
FL3A01	2702-000156	INDUCTOR-RADIAL,47uH,5%,5x5.4mm	
FL3D01	2702-000156	INDUCTOR-RADIAL,47uH,5%,5x5.4mm	AUDIO DUB ONLY
IC301	1204-001922	IC-VIDEO PROCESS,LA71750M,QFP,100P,PLA	
L301	2701-000002	INDUCTOR-AXIAL,100uH,10%,4.2x9.8mm	
L302	2702-000106	INDUCTOR-RADIAL,100uH,10%,6.2x7.4mm	
L370	2702-000106	INDUCTOR-RADIAL,100uH,10%,6.2x7.4mm	
L3A01	2702-000120	INDUCTOR-RADIAL,15mH,5%,6.2x7.4mm	
L3A02	2702-000106	INDUCTOR-RADIAL,100uH,10%,6.2x7.4mm	
L3A03	2701-000002	INDUCTOR-AXIAL,100uH,10%,4.2x9.8mm	
L3A50	2702-000115	INDUCTOR-RADIAL,150uH,5%,5x5.4mm	AUDIO DUB ONLY
L3D01	2701-000002	INDUCTOR-AXIAL,100uH,10%,4.2x9.8mm	AUDIO DUB ONLY
Q301	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,TO-92,T	
Q351	0501-000303	TR-SMALL SIGNAL,KSA733,PNP,250mW,TO-92,T	
Q35	0501-000303	TR-SMALL SIGNAL,KSA733,PNP,250mW,TO-92,T	CANAL OPTION
Q3A01	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,TO-92,T	
Q3A02	0501-000303	TR-SMALL SIGNAL,KSA733,PNP,250mW,TO-92,T	
Q3A03	0501-000442	TR-SMALL SIGNAL,KTC3203-Y,NPN,400mW,TO-9	
Q3A04	0501-000442	TR-SMALL SIGNAL,KTC3203-Y,NPN,400mW,TO-9	
Q3A05	0501-000442	TR-SMALL SIGNAL,KTC3203-Y,NPN,400mW,TO-9	
Q3A06	0501-000303	TR-SMALL SIGNAL,KSA733,PNP,250mW,TO-92,T	
Q3D01	0501-000442	TR-SMALL SIGNAL,KTC3203-Y,NPN,400mW,TO-9	AUDIO DUB ONLY
Q3D02	0501-000303	TR-SMALL SIGNAL,KSA733,PNP,250mW,TO-92,T	AUDIO DUB ONLY
Q3D03	0504-000115	TR-DIGITAL,KSR1004,NPN,300MW,47K/47K,TP	AUDIO DUB ONLY
R3[illegible]	2007-000227	R-CHIP,1.2KOHM,5%,1/10W,DA,TP,2012	
R3[illegible]	2007-001[illegible]	R-CHIP,8.2KOHM,5%,1/10W,DA,TP,2012	

Loc.No	Part No	Description ; Specification	Remark
R320	2001-000411	R-CARBON,18KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R321	2001-000290	R-CARBON,10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R322	2001-000411	R-CARBON,18KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R323	2007-000710	R-CHIP,3.9KOHM,5%,1/10W,DA,TP,2012	
R324	2007-000267	R-CHIP,1.8KOHM,5%,1/10W,DA,TP,2012	
R325	2001-000281	R-CARBON,100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R326	2001-000281	R-CARBON,100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R327	2007-000872	R-CHIP,4.7KOHM,5%,1/10W,DA,TP,2012	
R328	2007-000227	R-CHIP,1.2KOHM,5%,1/10W,DA,TP,2012	
R329	2007-000518	R-CHIP,2.7KOHM,5%,1/10W,DA,TP,2012	
R330	2007-001071	R-CHIP,6.8KOHM,5%,1/10W,DA,TP,2012	
R331	2007-000267	R-CHIP,1.8KOHM,5%,1/10W,DA,TP,2012	
R333	2007-001039	R-CHIP,56KOHM,5%,1/10W,DA,TP,2012	
R334	2007-000241	R-CHIP,1.5KOHM,5%,1/10W,DA,TP,2012	
R335	2001-000281	R-CARBON,100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R336	2007-001166	R-CHIP,75OHM,5%,1/10W,DA,TP,2012	
R350	2007-000241	R-CHIP,1.5KOHM,5%,1/10W,DA,TP,2012	
R360	2007-000635	R-CHIP,270KOHM,5%,1/10W,DA,TP,2012	
R370	2001-000857	R-CARBON,560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R371	2001-000857	R-CARBON,560OHM,5%,1/8W,AA,TP,1.8X3.2MM	CANAL OPTION
R372	2007-000468	R-CHIP,1KOHM,5%,1/10W,DA,TP,2012	
R373	2007-000409	R-CHIP,150OHM,5%,1/10W,DA,TP,2012	
R374	2007-000290	R-CHIP,100OHM,5%,1/10W,DA,TP,2012	
R3A01	2001-000290	R-CARBON,10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A04	2007-000227	R-CHIP,1.2KOHM,5%,1/10W,DA,TP,2012	
R3A05	2007-000615	R-CHIP,24KOHM,5%,1/10W,DA,TP,2012	
R3A06	2007-000445	R-CHIP,180OHM,5%,1/10W,DA,TP,2012	
R3A07	2007-000757	R-CHIP,330KOHM,5%,1/10W,DA,TP,2012	
R3A08	2007-000355	R-CHIP,12KOHM,5%,1/10W,DA,TP,2012	
R3A09	2007-000029	R-CHIP,0OHM,5%,1/10W,DA,TP,2012	
R3A11	2007-000453	R-CHIP,2.2KOHM,5%,1/10W,DA,TP,2012	
R3A12	2007-000290	R-CHIP,100OHM,5%,1/10W,DA,TP,2012	
R3A13	2007-000941	R-CHIP,47KOHM,5%,1/10W,DA,TP,2012	OTHER MODELS
R3A13	2007-000586	R-CHIP,22KOHM,5%,1/10W,DA,TP,2012	SV-657F/657S/657L/657GX ONLY
R3A14	2001-000522	R-CARBON,22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A16	2007-000300	R-CHIP,10KOHM,5%,1/10W,DA,TP,2012	
R3A17	2007-000453	R-CHIP,2.2KOHM,5%,1/10W,DA,TP,2012	
R3A18	2007-000453	R-CHIP,2.2KOHM,5%,1/10W,DA,TP,2012	
R3A23	2001-000331	R-CARBON,12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A24	2007-000586	R-CHIP,22KOHM,5%,1/10W,DA,TP,2012	
R3A25	2007-000227	R-CHIP,1.2KOHM,5%,1/10W,DA,TP,2012	
R3A26	2001-000290	R-CARBON,10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A28	2007-000267	R-CHIP,1.8KOHM,5%,1/10W,DA,TP,2012	
R3A31	2007-000029	R-CHIP,0OHM,5%,1/10W,DA,TP,2012	
R3A50	2007-000564	R-CHIP,5.1KOHM,5%,1/10W,DA,TP,2012	
R3A51	2007-000300	R-CHIP,10KOHM,5%,1/10W,DA,TP,2012	
R3A50	2001-000605	R-CARBON,3.3KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R3D01	2007-000941	R-CHIP,47KOHM,5%,1/10W,DA,TP,2012	AUDIO DUB ONLY
R3D02	2007-000872	R-CHIP,4.7KOHM,5%,1/10W,DA,TP,2012	AUDIO DUB ONLY
R3D03	2007-000586	R-CHIP,22KOHM,5%,1/10W,DA,TP,2012	AUDIO DUB ONLY
R3D04	2001-000290	R-CARBON,10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	AUDIO DUB ONLY
XT301	2801-001397	CRYSTAL-UNIT,4.433619MHz,20ppm,28-AAA,S	
TM-BLOCK			
C401	2401-001479	C-AL,470uF,20%,10V,GP,TP,-	
C402	2203-000609	C-CERAMIC,CHIP,22nF,10%,50V,X7R,TP,2012	
C403	2401-003107	C-AL,47uF,20%,16V,GP,TP,5x7,5	
C404	2401-001077	C-AL,330nF,20%,50V,GP,TP,4x7mm,5mm	
C405	2401-003046	C-AL,47uF,20%,50V,WT,TP,6.3x11,2.5	
C406	2202-000757	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,Y5S,TP	
C407	2401-003107	C-AL,47uF,20%,16V,GP,TP,5x7,5	Not used FRANCE Models
C409	2203-000250	C-CERAMIC,CHIP,10nF,10%,50V,X7R,TP,2012	
C410	2203-000250	C-CERAMIC,CHIP,10nF,10%,50V,X7R,TP,2012	
D401	0402-000127	DIODE-RECTIFIER,1N4002,100V,1A,DO-41,TP	
GP401	AC63-00075A	GROUND-P[illegible],SUS304,T[illegible]	
L401	2702-000106	INDUCTOR-RADIAL,100uH,10%,6.2x7.4mm	

Loc.No	Part No	Description ; Specification	Remark
R401	2007-000941	R-CHIP,47KOHM,5%,1/10W,DA,TP,2012	Not used FRANCE Models
R402	2007-000290	R-CHIP,100OHM,5%,1/10W,DA,TP,2012	Not used FRANCE Models
R403	2007-000290	R-CHIP,100OHM,5%,1/10W,DA,TP,2012	
R404	2007-000290	R-CHIP,100OHM,5%,1/10W,DA,TP,2012	
R406	2001-000290	R-CARBON,10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	Not used FRANCE Models
R407	2007-000453	R-CHIP,2.2KOHM,5%,1/10W,DA,TP,2012	Not used FRANCE Models
R408	2001-000227	R-CARBON,1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	Not used FRANCE Models
TM401	AC40-00001K	TM BLOCK,TCPL0601PD11A,G/L-Sol line,TCP	FRANCE ONLY
	AC40-00001R	TM BLOCK,TCM0510PD13A,UHF-MONO/HIL-,	U.K ONLY
	AC40-00014A	TM BLOCK,TCMK0601PD13A,G/VKMONO,HIFI	OTHER MODELS
ZD401	0403-000390	DIODE-ZENER,UZP33B,33V,31.4-34.6V,1W,DO-	
HI-FI PARTS			
C501	2401-000414	C-AL,10uF,20%,16V,GP,TP,4x7,5	
C502	2203-000206	C-CERAMIC,CHIP,100nF,10%,50V,X7R,TP,2012	
C503	2401-000922	C-AL,22uF,20%,16V,GP,TP,5x5,5	
C504	2401-000414	C-AL,10uF,20%,16V,GP,TP,4x7,5	
C505	2401-002295	C-AL,4.7uF,20%,50V,GP,TP,5x7,5	
C506	2203-000250	C-CERAMIC,CHIP,10nF,10%,50V,X7R,TP,2012	
C507	2401-000922	C-AL,22uF,20%,16V,GP,TP,5x5,5	
C508	2203-000081	C-CERAMIC,CHIP,4.7nF,10%,50V,X7R,TP,2012	
C510	2401-002095	C-AL,47uF,20%,25V,GP,TP,6.3x5,5	
C511	2203-000250	C-CERAMIC,CHIP,10nF,10%,50V,X7R,TP,2012	
C513	2203-000250	C-CERAMIC,CHIP,10nF,10%,50V,X7R,TP,2012	
C517	2203-000081	C-CERAMIC,CHIP,4.7nF,10%,50V,X7R,TP,2012	
C518	2401-000922	C-AL,22uF,20%,16V,GP,TP,5x5,5	
C519	2203-000250	C-CERAMIC,CHIP,10nF,10%,50V,X7R,TP,2012	
C520	2401-002295	C-AL,4.7uF,20%,50V,GP,TP,5x7,5	
C521	2401-000414	C-AL,10uF,20%,16V,GP,TP,4x7,5	
C522	2203-000206	C-CERAMIC,CHIP,100nF,10%,50V,X7R,TP,2012	
C523	2203-000206	C-CERAMIC,CHIP,100nF,10%,50V,X7R,TP,2012	
C524	2401-002295	C-AL,4.7uF,20%,50V,GP,TP,5x7,5	
C525	2401-002295	C-AL,4.7uF,20%,50V,GP,TP,5x7,5	
C526	2401-002155	C-AL,100uF,20%,16V,GP,TP,6.3x7,5	
C527	2202-000797	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,Y5S,TP	
C529	2401-002295	C-AL,4.7uF,20%,50V,GP,TP,5x7,5	
C530	2203-000206	C-CERAMIC,CHIP,100nF,10%,50V,X7R,TP,2012	
C535	2203-000206	C-CERAMIC,CHIP,100nF,10%,50V,X7R,TP,2012	
C536	2203-000206	C-CERAMIC,CHIP,100nF,10%,50V,X7R,TP,2012	
C537	2401-000665	C-AL,2.2uF,20%,50V,GP,TP,3.5x5,5	
C538	2401-000665	C-AL,2.2uF,20%,50V,GP,TP,3.5x5,5	
C539	2401-002295	C-AL,4.7uF,20%,50V,GP,TP,5x7,5	CANAL OPTION
C540	2401-002295	C-AL,4.7uF,20%,50V,GP,TP,5x7,5	CANAL OPTION
C541	2401-000598	C-AL,1uF,20%,50V,GP,TP,4x7,5	
C542	2401-002155	C-AL,100uF,20%,16V,GP,TP,6.3x7,5	
IC501	1204-001920	IC-AUDIO PROCESSOR,LA72645M,QFP,80P,14X	
L501	2701-000002	INDUCTOR-AXIAL,100uH,10%,4.2x9.8mm	
L502	3301-000257	CORE-FERRITE BEAD,AA,3.5x1.2x6.7mm,1400	
R501	2007-000003	R-CHIP,43KOHM,5%,1/10W,DA,TP,2012	
R502	2007-001055	R-CHIP,6.2KOHM,5%,1/10W,DA,TP,2012	
R503	2007-000937	R-CHIP,470OHM,5%,1/10W,DA,TP,2012	
R504	2007-000003	R-CHIP,43KOHM,5%,1/10W,DA,TP,2012	
R505	2007-001055	R-CHIP,6.2KOHM,5%,1/10W,DA,TP,2012	
R507	2001-000756	R-CARBON,43KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R508	2007-001055	R-CHIP,6.2KOHM,5%,1/10W,DA,TP,2012	
R509	2007-001055	R-CHIP,6.2KOHM,5%,1/10W,DA,TP,2012	
R510	2001-000756	R-CARBON,43KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R511	2007-000355	R-CHIP,12KOHM,5%,1/10W,DA,TP,2012	
R512	2007-000774	R-CHIP,33KOHM,5%,1/10W,DA,TP,2012	
R514	2007-000941	R-CHIP,47KOHM,5%,1/10W,DA,TP,2012	
R515	2001-000786	R-CARBON,47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R517	2007-001055	R-CHIP,6.2KOHM,5%,1/10W,DA,TP,2012	
R518	2007-000003	R-CHIP,43KOHM,5%,1/10W,DA,TP,2012	
R519	2007-001055	R-CHIP,6.2KOHM,5%,1/10W,DA,TP,2012	
R520	2007-000003	R-CHIP,43KOHM,5%,1/10W,DA,TP,2012	
R521	2007-001071	R-CHIP,6.8KOHM,5%,1/10W,DA,TP,2012	

Loc.No	Part No	Description ; Specification	Remark
R522	2007-001071	R-CHIP,6.8KOHM,5%,1/10W,DA,TP,2012	
R533	2007-000003	R-CHIP,43KOHM,5%,1/10W,DA,TP,2012	
R540	2007-000003	R-CHIP,43KOHM,5%,1/10W,DA,TP,2012	
R545	2007-000511	R-CHIP,2.4KOHM,5%,1/10W,DA,TP,2012	
R546	2007-000468	R-CHIP,1KOHM,5%,1/10W,DA,TP,2012	
R547	2007-000468	R-CHIP,1KOHM,5%,1/10W,DA,TP,2012	
R550	2001-000756	R-CARBON,43KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R551	2007-000546	R-CHIP,20KOHM,5%,1/10W,DA,TP,2012	
R552	2001-000756	R-CARBON,43KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R553	2007-000546	R-CHIP,20KOHM,5%,1/10W,DA,TP,2012	
R570	2007-000468	R-CHIP,1KOHM,5%,1/10W,DA,TP,2012	
R571	2007-001039	R-CHIP,56KOHM,5%,1/10W,DA,TP,2012	
SECAM PARTS (FRANCE ONLY)			
C3S01	2203-000250	C-CERAMIC,CHIP,10nF,10%,50V,X7R,TP,2012	
C3S02	2401-000598	C-AL,1uF,20%,50V,GP,TP,4x7,5	
C3S03	2203-000250	C-CERAMIC,CHIP,10nF,10%,50V,X7R,TP,2012	
C3S04	2401-000598	C-AL,1uF,20%,50V,GP,TP,4x7,5	
C3S05	2202-002037	C-CERAMIC,MLC-AXIAL,100nF,80-20%,50V,Y5V	
C3S06	2401-001775	C-AL,470nF,20%,50V,GP,TP,4x7,5	
C3S07	2202-000797	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,Y5S,TP	
C3S08	2203-000206	C-CERAMIC,CHIP,100nF,10%,50V,X7R,TP,2012	
C3S09	2401-001775	C-AL,470nF,20%,50V,GP,TP,4x7,5	
C3S10	2401-002095	C-AL,47uF,20%,25V,GP,TP,6.3x5,5	
C3S11	2203-000206	C-CERAMIC,CHIP,100nF,10%,50V,X7R,TP,2012	
C3S12	2203-000495	C-CERAMIC,CHIP,2.2nF,10%,50V,X7R,TP,2012	
C3S13	2203-000495	C-CERAMIC,CHIP,2.2nF,10%,50V,X7R,TP,2012	
C3S14	2401-000665	C-AL,2.2uF,20%,50V,GP,TP,3.5x5,5	
C3S15	2202-000797	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,Y5S,TP	
IC3S01	1204-001921	IC-CHROMA,LA70100M,SOP,30P,375MIL,PLASTI	
R3S01	2007-000468	R-CHIP,1KOHM,5%,1/10W,DA,TP,2012	
R3S02	2001-000435	R-CARBON,1MOHM,5%,1/8W,AA,TP,1.8X3.2MM	
A2/NICAM PARTS (Not used SV-553X)			
C4N01	2203-000142	C-CERAMIC,CHIP,1.5nF,10%,50V,X7R,TP,2012	
C4N02	2401-000414	C-AL,10uF,20%,16V,GP,TP,4x7,5	
C4N03	2203-000595	C-CERAMIC,CHIP,0.22nF,5%,50V,NP0,TP,2012	
C4N04	2401-000665	C-AL,2.2uF,20%,50V,GP,TP,3.5x5,5	
C4N05	2203-000250	C-CERAMIC,CHIP,10nF,10%,50V,X7R,TP,2012	
C4N06	2203-000250	C-CERAMIC,CHIP,10nF,10%,50V,X7R,TP,2012	
C4N07	2203-000938	C-CERAMIC,CHIP,0.47nF,5%,50V,NP0,TP,2012	
C4N08	2203-000142	C-CERAMIC,CHIP,1.5nF,10%,50V,X7R,TP,2012	
C4N09	2401-000414	C-AL,10uF,20%,16V,GP,TP,4x7,5	
C4N10	2401-000414	C-AL,10uF,20%,16V,GP,TP,4x7,5	
C4N11	2401-001020	C-AL,3.3UF,20%,50V,GP,TP,4X7,5	
C4N12	2203-000206	C-CERAMIC,CHIP,100nF,10%,50V,X7R,TP,2012	
C4N13	2203-000206	C-CERAMIC,CHIP,100nF,10%,50V,X7R,TP,2012	
C4N14	2401-000414	C-AL,10uF,20%,16V,GP,TP,4x7,5	
C4N15	2203-000206	C-CERAMIC,CHIP,100nF,10%,50V,X7R,TP,2012	
C4N16	2401-003107	C-AL,47uF,20%,16V,GP,TP,5x7,5	
C4N17	2203-000938	C-CERAMIC,CHIP,0.47nF,5%,50V,NP0,TP,2012	
C4N18	2203-000938	C-CERAMIC,CHIP,0.47nF,5%,50V,NP0,TP,2012	
C4N19	2202-000275	C-CERAMIC,MLC-AXIAL,47pF,5%,50V,SL,TP,3.	
C4N21	2201-002069	C-CERAMIC,DISC,1.5pF,0.25pF,50V,NP0,TP,4	
C4N22	2201-002069	C-CERAMIC,DISC,1.5pF,0.25pF,50V,NP0,TP,4	
C4N23	2401-000598	C-AL,1uF,20%,50V,GP,TP,4x7,5	
C4N24	2401-000598	C-AL,1uF,20%,50V,GP,TP,4x7,5	
C4N25	2202-002037	C-CERAMIC,MLC-AXIAL,100nF,80-20%,50V,Y5V	
C4N30	2202-000797	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,Y5S,TP	
D4N01	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35	
D4N02	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35	
IC4N01	1204-001753	IC-AUDIO PROCESSOR,MSP3417D-PQFP,PQFP4	
L4N01	2703-000190	INDUCTOR-RADIAL,4.7uH,10%,5x5.4mm	
L4N02	2702-000106	INDUCTOR-RADIAL,100uH,10%,6.2x7.4mm	
L4N03	2703-000190	INDUCTOR-RADIAL,4.7uH,10%,5x5.4mm	
L4N04	AC27-92001M	INDUCTOR-PHC,5X6,5PC BEAD,RADIAL	

Loc.No	Part No	Description ; Specification	Remark
RAN01	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RAN02	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RAN03	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RAN04	2007-000553	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
RAN05	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RAN06	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
XTAN01	2801-003171	CRYSTAL-UNIT;18.432MHz,20PPM,28-AAM,4PF,	

VPS/POC PARTS

Loc.No	Part No	Description ; Specification	Remark
CSP01	2203-000250	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
CSP04	2203-000683	C-CERAMIC,CHIP;0.027nF,5%,50V,NPO,TP,201	Not used Central Europe Models
CSP05	2203-000683	C-CERAMIC,CHIP;0.027nF,5%,50V,NPO,TP,201	Not used Central Europe Models
CSP06	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CSP07	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
CSP08	2202-000296	C-CERAMIC,MLC-AXIAL;56pF,5%,50V,SL,TP,1	
CSP10	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
CSP11	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
CSP12	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
CSP13	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
ICSP01	1204-001794	IC-AUDIO PROCESSOR;LC74776NM-9808,MFP,30	
LSP03	2701-000150	INDUCTOR-AXIAL;22uH,5%,2.4x3.4mm	
LSP05	2701-000155	INDUCTOR-AXIAL;27uH,5%,2.4x3.4mm	
QSP01	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
QSP02	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
RSP01	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RSP02	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RSP03	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
RSP04	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RSP05	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RSP06	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
RSP07	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
RSP08	2007-000822	R-CHIP;390OHM,5%,1/10W,DA,TP,2012	
RSP09	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
RSP10	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	

INPUT-OUTPUT PARTS

Loc.No	Part No	Description ; Specification	Remark
C806	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NPO,TP,2012	
C811	2203-000784	C-CERAMIC,CHIP;0.33nF,5%,50V,NPO,TP,2012	CANAL OPTION
C822	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NPO,TP,2012	
C826	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NPO,TP,2012	CANAL OPTION
C834	2203-000784	C-CERAMIC,CHIP;0.33nF,5%,50V,NPO,TP,2012	
C837	2203-000784	C-CERAMIC,CHIP;0.33nF,5%,50V,NPO,TP,2012	
C838	2203-000784	C-CERAMIC,CHIP;0.33nF,5%,50V,NPO,TP,2012	
C841	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NPO,TP,2012	
C842	2203-000784	C-CERAMIC,CHIP;0.33nF,5%,50V,NPO,TP,2012	
C843	2203-000784	C-CERAMIC,CHIP;0.33nF,5%,50V,NPO,TP,2012	
C844	2203-000784	C-CERAMIC,CHIP;0.33nF,5%,50V,NPO,TP,2012	
C845	2203-000784	C-CERAMIC,CHIP;0.33nF,5%,50V,NPO,TP,2012	
D805	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
JC801	3722-001573	JACK-SCART;42P/2R,-,SN,BLK/BLU,#20-28	
JC802	3722-001575	JACK-PIN;2P,3.5mm,NI,BLK,-	
L803	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	
L804	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	
L805	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	CANAL OPTION
L806	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	CANAL OPTION
L807	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	
L808	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	
L809	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	
L810	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	
L811	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	
L812	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	
L814	AC27-92001M	INDUCTOR;RH3.5X6.5RS,BEAD,RADIAL,-,-,-	
Q802	0504-000119	TR-DIGITAL;KSR1004,NPN,300MW,47K/47K,TO-	
Q803	0504-000119	TR-DIGITAL;KSR1004,NPN,300MW,47K/47K,TO-	
Q804	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K/4.7K,T	
Q806	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K/4.7K,T	
Q809	0501-000298	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	CANAL OPTION
Q810	0501-000298	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	CANAL OPTION
R802	2007-000257	R-CHIP;13KOHM,5%,1/10W,DA,TP,2012	
R803	2007-000257	R-CHIP;13KOHM,5%,1/10W,DA,TP,2012	
R805	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R806	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R807	2007-001156	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R808	2007-001156	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R809	2001-000569	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R810	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R811	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R812	2007-001156	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R813	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R814	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R815	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R816	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R819	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	CANAL OPTION
R820	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	CANAL OPTION
R821	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R822	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R828	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R839	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R842	2001-000857	R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R843	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	CANAL OPTION
ZD801	0403-000297	DIODE-ZENER;MTZ5.2B,6.2V,5.95-6.27V,500m	

DISPLAY/FUNCTION MATRIX PARTS

Loc.No	Part No	Description ; Specification	Remark
C701	2401-001479	C-AL;470uF,20%,10V,GP,TP,-,-	
C702	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C703	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CN708	3711-004415	CONNECTOR-HEADER;3WALL,11P,1R,2mm,STRAIG	
D701	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D702	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D703	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D704	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
DT701	AC07-00032A	LED DISPLAY;LTG-0130M,-,38,8,5,55,2",18.5	4DIGIT
DT701	AC07-00031A	LED DISPLAY;LTG-0129M,-,38,8,5,55,2",18.5	5DIGIT
IC701	1003-001443	IC-LED DRIVER;PT6959,SOIC,28P,300MIL,-,-	
L701	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
R727	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
R728	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
R729	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
R730	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
R731	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R732	2007-000658	R-CHIP;27OHM,5%,1/10W,DA,TP,2012	
R733	2007-000658	R-CHIP;27OHM,5%,1/10W,DA,TP,2012	
R734	2007-000658	R-CHIP;27OHM,5%,1/10W,DA,TP,2012	
R735	2007-000658	R-CHIP;27OHM,5%,1/10W,DA,TP,2012	
R736	2007-000658	R-CHIP;27OHM,5%,1/10W,DA,TP,2012	
R737	2007-000658	R-CHIP;27OHM,5%,1/10W,DA,TP,2012	
R738	2007-000658	R-CHIP;27OHM,5%,1/10W,DA,TP,2012	
R741	2007-000658	R-CHIP;27OHM,5%,1/10W,DA,TP,2012	
R753	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R777	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
RM701	AC32-00006A	MODULE REMOCON;TSOP2238WE1,38KHZ,-,5.08m	
SW708	3404-001187	SWITCH-TACT;12V,50MA,100GF,5X6X9.5,SPST	
SW709	3404-001187	SWITCH-TACT;12V,50MA,100GF,5X6X9.5,SPST	
SW711	3404-001187	SWITCH-TACT;12V,50MA,100GF,5X6X9.5,SPST	
SW712	3404-001187	SWITCH-TACT;12V,50MA,100GF,5X6X9.5,SPST	
SW714	3404-001187	SWITCH-TACT;12V,50MA,100GF,5X6X9.5,SPST	
SW715	3404-001187	SWITCH-TACT;12V,50MA,100GF,5X6X9.5,SPST	
SW716	3404-001187	SWITCH-TACT;12V,50MA,100GF,5X6X9.5,SPST	
SW718	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,5.0X5.0X5.0	
SW719	3404-001187	SWITCH-TACT;12V,50MA,100GF,5X6X9.5,SPST	

AV-LINK PARTS(OPTION)

Loc.No	Part No	Description ; Specification	Remark	Loc.No	Part No	Description ; Specification	Remark
C710	2203-000335	C-CERAMIC,CHIP;0.012nF,5%,50V,NPO,TP,201					
C711	2203-000335	C-CERAMIC,CHIP;0.012nF,5%,50V,NPO,TP,201					
C712	2203-000250	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012					
IC750	AC06-00316A	IC-MICOM;78P025GE-A81-RES,4-6325-AVLINK					
R750	2007-000477	R-CHIP;1MOHM,5%,1/10W,DA,TP,2012					
R751	2007-000553	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012					
R752	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012					
XT750	2801-003853	CRYSTAL-UNIT;5MHz,30ppm,28-AAA,12pF,100c					
ZD807	0403-001211	DIODE-ZENER;MTZJ12B,11.44-12.03V,500MW,D					
-	-	**ASSY PCB-F/AV;SV-657F/657B/657X/657GX ONLY**	S.N.A.				
C703	2401-001475	C-AL;470uF,20%,10V,GP,TP,-,-					
C704	2202-000797	C-CERAMIC,MLC-AXIAL;10NF,30%,16V,Y5S,TP					
C717	2202-000173	C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP1					
C730	2202-000173	C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP1					
C731	2202-000173	C-CERAMIC,MLC-AXIAL;1nF,10%,50V,Y5P,TP1					
CN705	3710-001564	CONNECTOR-SOCKET;11P,1R,2mm,ANGLE,SN					
CN706	AC39-20817T	LEAD CONNECTOR ASSY;DP,YEMH200-03,YEST20					
JC701	AC37-00006A	JACK-PIN;3.2MM,DPSE-9872,3P,ARREY,10MM					
R702	2001-000793	R-CARBON;47OHM,5%,1/8W,AA,TP,1.8X3.2MM					
R731	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM					
RM701	AC36-50060A	MODULE REMOCON;GP1U281R,SHARP,38KHZ,-,-					
SW701	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,5.0X5.0X5.0					
SW703	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,5.0X5.0X5.0					
-	-	**ASSY PCB-F/AV;OTHER MODELS**	S.N.A.				
C701	2201-000281	C-CERAMIC,DISC;1nF,-80-20%,50V,Y5V,TP,5x					
C702	2201-000281	C-CERAMIC,DISC;1nF,-80-20%,50V,Y5V,TP,5x					
CN705	3710-001564	CONNECTOR-SOCKET;11P,1R,2mm,ANGLE,SN					
JC701	AC37-22002G	JACK-PIN;3.2mm,DPSE-9813,3P,13mm,ARREY					
SW706	3404-001188	SWITCH-TACT;12V,50MA,100GF,5X5X5,SPST					
SW730	3404-001188	SWITCH-TACT;12V,50MA,100GF,5X5X5,SPST					

4-2 Mono Models

Loc. No	Part No	Description	Remark
-	-	ASSY PCB-MAIN FULL;	S.N.A.
S.M.P.S. PARTS			
B01SD1	AC27-92001M	INDUCTOR;RH3.5X6.5X5,BEAD(RADIAL)-,-,-	
B01SR1	3301-000297	CORE-FERRITE BEAD;AA,3.6x1.2x5.7mm,1400	
B01SS1	AC27-92001M	INDUCTOR;RH3.5X6.5X5,BEAD(RADIAL)-,-,-	
B01SS2	AC27-92001M	INDUCTOR;RH3.5X6.5X5,BEAD(RADIAL)-,-,-	
C1SD03	2201-000812	C-CERAMIC,DISC;2.2nF,20%,400V,Y5U,BK,12.	
C1SD04	2201-000812	C-CERAMIC,DISC;2.2nF,20%,400V,Y5U,BK,12.	
C1SD11	2401-003382	C-AL;47uF,20%,400V,GP,TP,18X31.5,7.	
C1SD12	2305-001029	C-FILM,MPEF;10nF,10%,630V,TP,12x8x12.5,5	
C1SD13	2301-000361	C-FILM,PEF;1.2nF,10%,50V,TP,-,5mm	
C1SR12	2401-000065	C-AL;22uF,20%,35V,BP,-,5x11,2.5mm	
C1SR14	2301-000445	C-FILM,PEF;4.7nF,5%,50V,TP,5.5x7x9mm,5mm	
C1SS01	2305-001021	C-FILM,MPEF;100nF,20%,275V,TP,17.5x7x13.	⚠
C1SS02	2305-001021	C-FILM,MPEF;100nF,20%,275V,TP,17.5x7x13.	⚠
C1SS03	2201-000812	C-CERAMIC,DISC;2.2nF,20%,400V,Y5U,BK,12.	
C1SS12	2201-000129	C-CERAMIC,DISC;0.1nF,10%,1KV,Y5P,TP,7x4,	
C1SS13	2201-000129	C-CERAMIC,DISC;0.1nF,10%,1KV,Y5P,TP,7x4,	
C1SS31	2401-000305	C-AL;10uF,20%,100V,GP,TP,6.3x11,5	
C1SS32	2401-003137	C-AL;330UF,20%,50V,LOW,TP,10X16MM,5	
C1SS33	2401-003477	C-AL;330UF,20%,25V,LZ,TP,10X12.5MM,	
C1SS34	2401-003477	C-AL;330UF,20%,25V,LZ,TP,10X12.5MM,	
C1SS35	2401-003490	C-AL;1000UF,20%,10V,LZ,TP,10X15MM,5	
C1SS36	2401-000118	C-AL;1000uF,20%,10V,GP,TP,10x12.5,5	
C1SS39	2301-000129	C-FILM,PEF;100nF,5%,50V,TP,10X5X4.3X5,5m	
CN1SS1	3711-000178	CONNECTOR-HEADER;1WALL,2P,1R,3.96mm,STRA	
D1SD11	0402-001195	DIODE-RECTIFIER;FYT4,400V,1.0A,TS-1,TP	
D1SD31	0402-001195	DIODE-RECTIFIER;FYT4,400V,1.0A,TS-1,TP	
D1SR11	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D1SS01	0402-001196	DIODE-RECTIFIER;1T5,500V,1A,TS-1,TP	
D1SS02	0402-001196	DIODE-RECTIFIER;1T5,500V,1A,TS-1,TP	
D1SS03	0402-001196	DIODE-RECTIFIER;1T5,500V,1A,TS-1,TP	
D1SS04	0402-001196	DIODE-RECTIFIER;1T5,500V,1A,TS-1,TP	
D1SS11	0402-000012	DIODE-RECTIFIER;UF4007,1KV,1A,DO-41,TP	
D1SS31	0402-001195	DIODE-RECTIFIER;FYT4,400V,1.0A,TS-1,TP	
D1SS32	0402-001194	DIODE-RECTIFIER;BS20,200V,2A,DO-204AC,TP	
D1SS33	0404-001087	DIODE-SCHOTTKY;SG45,45V,7500mA,TO-220A,B	
F1SS01	3601-001123	FUSE-CARTRIDGE;250V,1.6A,TIME-LAG,CERAMI	⚠
IC1SS1	0604-000186	PHOTO-COUPLER;TR,-,200mW,DIP-4,ST	⚠
IC1SS2	AC14-120060	IC;KA431Z,TO-92,TAPING	
L1SS02	AC29-80002A	FILTER LINE NOISE;-,30mH,-,-,BLF-2116	⚠
L1SS31	AC27-12001N	COIL-CHOKE;10UH-15%,RA,K-30,080,150KHZ,-	
L1SS32	AC27-12001N	COIL-CHOKE;10UH-15%,RA,K-30,080,150KHZ,-	
PT1SS1	AC26-000026	TRANS SWITCHING;EE2521,SV-643F,-,230V,FE	⚠
Q1SR01	0502-001207	TR-POWER;-,NPN,40000MW,TO-220F,ST,15-30	
Q1SR02	0501-000442	TR-SMALL SIGNAL;KTC3203-Y,NPN,400mW,TO-9	
R1SD11	2001-000305	R-CARBON;110KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1SD12	2001-000003	R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R1SD13	2001-000305	R-CARBON;110KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1SD14	2001-000305	R-CARBON;110KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1SD15	2001-000305	R-CARBON;110KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1SD16	2003-000994	R-METAL OXIDE(S);33Kohm,5%,2W,AF,TP,3.9x	
R1SD31	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R1SD32	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1SR11	2003-000119	R-METAL OXIDE;0.68ohm,5%,2W,AE,TP,5x16mm	
R1SR12	2003-000254	R-METAL OXIDE;30Kohm,5%,1W,AD,TP,4.3x12m	
R1SR14	2001-000003	R-CARBON;330ohm,5%,1/8W,AA,TP,1.8x3.2mm	
R1SS03	2008-001033	R-FUSIBLE(S);10ohm,5%,2W,AF,TP,3.5x10mm	
R1SS10	2006-000252	R-CEMENT;2.7ohm,10%,2W,CB,TP,7.5x11x20	
R1SS11	2003-000994	R-METAL OXIDE(S);33Kohm,5%,2W,AF,TP,3.9x	
R1SS32	2007-000458	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R1SS33	2004-000655	R-METAL;3Kohm,1%,1/8W,AA,TP,1.8x3.2mm	
R1SS34	2004-000458	R-METAL;2.2Kohm,1%,1/8W,AA,TP,1.8x3.2m	
VA1SS1	1405-001026	VARISTOR;470V,6000A,9x7mm,TP	⚠
ZD1SS1	0403-000571	DIODE-ZENER;UZP43B,43V,40-46V,1W,DO-41,T	
POWER DRIVE PARTS			
C1P102	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C1P103	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C1P104	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C1P105	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C1P106	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C1P120	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
D1P101	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
Q1P101	0501-000616	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L	
Q1P102	0501-000616	TR-SMALL SIGNAL;KSC2328A-Y,NPN,1W,TO-92L	
Q1P104	0501-000610	TR-SMALL SIGNAL;KSA928A-Y,PNP,1W,TO-92L,	
Q1P105	0504-000116	TR-DIGITAL;KSR1001,NPN,300MW,4.7K/4.7K,T	
R1P101	2001-000055	R-CARBON;560OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R1P106	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	
R1P107	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R1P108	2001-000611	R-CARBON;3.9KOHM,5%,1/4W,AA,TP,2.4X6.4M	
R1P110	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R1P115	2001-000554	R-CARBON;270OHM,5%,1/8W,AA,TP,1.8X3.2MM	
ZD1P02	0403-000717	DIODE-ZENER;MTZJ5.1B,5.1V,4.94-5.2V,500m	
ZD1P04	0403-000720	DIODE-ZENER;MTZJ9.1B,9.1V,8.57-9.01V,500	
SYSTEM CONTROL/SERVO PARTS			
C601	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C602	2203-000609	C-CERAMIC,CHIP;22nF,10%,50V,X7R,TP,2012	
C605	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C607	2401-002259	C-AL;0.1F,+80-20%,5.5V,-,TP,12.5x11	BACK-UP (1HR) ONLY
C609	2203-000609	C-CERAMIC,CHIP;22nF,10%,50V,X7R,TP,2012	
C618	2401-000360	C-AL;100uF,20%,50V,GP,TP,8x11.5,5	
C620	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C622	2203-001137	C-CERAMIC,CHIP;68nF,+80-20%,50V,Y5V,TP,2	
C623	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C624	2203-000634	C-CERAMIC,CHIP;0.022nF,5%,50V,NPO,TP,201	BACK-UP (1HR) ONLY
C625	2203-000634	C-CERAMIC,CHIP;0.022nF,5%,50V,NPO,TP,201	BACK-UP (1HR) ONLY
C626	2203-000634	C-CERAMIC,CHIP;0.022nF,5%,50V,NPO,TP,201	
C627	2203-000634	C-CERAMIC,CHIP;0.022nF,5%,50V,NPO,TP,201	
C633	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C634	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C635	2203-000495	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,2012	
C636	2203-000495	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,2012	
C637	2203-000938	C-CERAMIC,CHIP;0.47nF,5%,50V,NPO,TP,2012	
C638	2401-002196	C-AL;4.7UF,20,25V,GP,TP,4X5,5MM,-	
C639	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NPO,TP,2012	
C640	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C641	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C642	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C644	2202-000806	C-CERAMIC,MLC-AXIAL;220pF,10%,50V,Y5P,TP	
C646	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C650	2203-000495	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,2012	
C651	2203-000609	C-CERAMIC,CHIP;22nF,10%,50V,X7R,TP,2012	
C652	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C655	2202-000791	C-CERAMIC,MLC-AXIAL;150pF,10%,50V,Y5P,TP	
C679	2203-000609	C-CERAMIC,CHIP;22nF,10%,50V,X7R,TP,2012	
C680	2401-000118	C-AL;1000uF,20%,10V,GP,TP,10x12.5,5	
C681	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C690	2203-000989	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012	
C691	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C692	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C693	2401-001992	C-AL;2200UF,20%,10V,WT,TP,10X20MM,5	

Loc. No	Part No	Description	Remark
C695	2203-000661	C-CERAMIC,CHIP;0.15nF,5%,50V,NPO,TP,2012	
C697	2203-000609	C-CERAMIC,CHIP;22nF,10%,50V,X7R,TP,2012	
CN604	3711-004033	CONNECTOR-HEADER;BOX,12P,2R,2MM,STRAIGHT	
D603	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D605	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
D612	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
IC601	AC09-00307A	IC MICOM;UX120-A68-38A,SV-655F-01,100PIN	OTHER MODELS
	AC09-00308A	IC MICOM;UX120-A72-38A,SV-655GX-01,100PI	[illegible] ONLY
IC604	AC14-12006C	IC;KA7533,DIP,-	
IC605	1103-001150	IC-EEPROM;S24C08,8KBit,DIP,8P,300MIL	
IC608	1203-000515	IC-VOL. DETECTOR;7042,TO-92,3P,177MIL,PL	BACK-UP (1HR) ONLY
L602	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
L603	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
LD601	0601-000517	LED-IR;RECTANGULA,4x6.0mm,75mW,6V,950	
PT601	0604-001206	PHOTO-INTERRUPTER;TR,-,150mW,CY5804102,B	
PT602	0604-001206	PHOTO-INTERRUPTER;TR,-,150mW,CY5804102,B	
Q601	0504-000119	TR-DIGITAL;KSR1004,NPN,300MW,47K/47K,TO-	
R601	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R602	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R603	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R604	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R605	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R607	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R608	2001-000064	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R609	2001-000064	R-CARBON;56KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R610	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R611	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R613	2007-000458	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	BACK-UP (1HR) ONLY
R614	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R630	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R631	2007-000458	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R632	2001-000037	R-CARBON;51KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R637	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R638	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R639	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R640	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R641	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R642	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R644	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R651	2007-000001	R-CHIP;68KOHM,5%,1/10W,DA,TP,2012	
R656	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R657	2001-000010	R-CARBON;68KOHM,5%,1/8W,AA,TP,1.8X3.2MM	BACK-UP (1HR) ONLY
R660	2001-000785	R-CARBON;47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R661	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
R666	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R667	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R668	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R669	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R670	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R671	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R672	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R674	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R675	2001-000032	R-CARBON;180OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R676	2007-000738	R-CHIP;39KOHM,5%,1/10W,DA,TP,2012	
R678	2007-000506	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R679	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R682	2007-000506	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R685	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
R690	2007-001032	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R691	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R692	2001-000568	R-CARBON;27OHM,5%,1/8W,AA,TP,1.8X3.2MM	BACK-UP (1HR) ONLY
R693	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R694	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R695	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	FRANCE models ONLY
R696	2001-000425	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R697	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	FRANCE models ONLY
R698	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RS601	AC34-20100B	SWITCH-REC;-,-,X-8,-	
S601	0603-001011	PHOTO TR;NPN,35V,5V,50mA,75mW,BK	
S602	0603-001011	PHOTO TR;NPN,35V,5V,50mA,75mW,BK	
SW601	AC34-20100A	SWITCH-MODE;-,-,X-8,-	
W662	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
W664	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
W666	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
XT601	2801-003318	CRYSTAL-UNIT;32.768KHz,20ppm,28-AAP,12.5	BACK-UP (1HR) ONLY
XT602	2801-003139	CRYSTAL-UNIT;8MHz,50ppm,28-AAA,22pF,80ohm	
AUDIO/VIDEO PARTS			
C315	2203-000989	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012	
C317	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C318	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C319	2203-000844	C-CERAMIC,CHIP;39nF,10%,50V,X7R,TP,2012,	
C320	2202-002065	C-CERAMIC,MLC-AXIAL;47nF,+80-20%,50V,Y5V	
C321	2202-000807	C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
C322	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C324	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C325	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C326	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C327	2202-000720	C-CERAMIC,MLC-AXIAL;8.2nF,20%,16V,Y5R,TP	
C328	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C329	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C330	2203-000989	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012	
C331	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C332	2202-000854	C-CERAMIC,MLC-AXIAL;47nF,30%,50V,Y5R,TP,	
C333	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C334	2203-000989	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012	CANAL OPTION
C335	2203-000925	C-CERAMIC,CHIP;470NF,+80-20%,50V,Y5V,TP,	
C336	2202-000854	C-CERAMIC,MLC-AXIAL;47nF,30%,50V,Y5R,TP,	
C337	2203-000925	C-CERAMIC,CHIP;470NF,+80-20%,50V,Y5V,TP,	
C338	2202-000807	C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
C339	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C340	2401-001226	C-AL;4.7uF,20%,16V,GP,TP,4x7,5mm	
C341	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C342	2202-002037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C343	2203-000476	C-CERAMIC,CHIP;1000nF,+80-20%,16V,Y5V,TP	
C344	2203-000321	C-CERAMIC,CHIP;0.12nF,5%,50V,SL,TP,2012	
C345	2203-000595	C-CERAMIC,CHIP;0.22nF,5%,50V,NPO,TP,2012	
C346	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C347	2203-000476	C-CERAMIC,CHIP;1000nF,+80-20%,16V,Y5V,TP	
C348	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C349	2203-000476	C-CERAMIC,CHIP;1000nF,+80-20%,16V,Y5V,TP	
C350	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C351	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C352	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C353	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C354	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C355	2202-000854	C-CERAMIC,MLC-AXIAL;47nF,30%,50V,Y5R,TP,	
C371	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C372	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C380	2202-000807	C-CERAMIC,MLC-AXIAL;22nF,+80-20%,25V,Y5V	
C384	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	CANAL OPTION
C385	2401-002165	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	CANAL OPTION
C3A01	2401-003122	C-AL;4.7uF,20%,50V,LL,TP,4X7,1.5	
C3A02	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
C3A08	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C3A09	2203-001105	C-CERAMIC,CHIP;6.8nF,10%,50V,X7R,TP,2012	
C3A10	2203-001214	C-CERAMIC,CHIP;8.2nF,10%,50V,X7R,TP,2012	
C3A11	2301-000174	C-FILM,PEF;15nF,5%,100V,TP,7.2x4.0x7.5mm	
C3A12	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C3A14	2203-000938	C-CERAMIC,CHIP;0.47nF,5%,50V,NPO,TP,2012	
C3A15	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C3A16	2401-003122	C-AL;4.7uF,20%,50V,LL,TP,4X7,1.5	

Loc.No	Part No	Description ; Specification	Remark
C3A17	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C3A18	2203-001223	C-CERAMIC,CHIP;0.82nF,10%,50V,X7R,TP,201	
C3A21	2203-000170	C-CERAMIC,CHIP;1.8nF,10%,50V,X7R,TP,2012	
C3A22	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C3A23	2401-002069	C-AL;33uF,20%,16V,GP,TP,6.3x5,5	
C3A24	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C3A29	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C3A30	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C3A31	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	CANAL OPTION
C3A40	2401-000414	C-AL;10uF,20%,16V,GP,TP,4x7,5	
C3A41	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
CN301	3708-000394	CONNECTOR-FPC/FFC/PIC;5P,1.25mm,STRAIGHT	
CN3A01	3708-001165	CONNECTOR-FPC/FFC/PIC;5P,1.25mm,STRAIGHT	
CN3A02	3710-001548	CONNECTOR-SOCKET;2P,1R,2.5mm,STRAIGHT,SN	
CN3A1S	3809-001206	CABLE-FLAT;30V,-20to+80C,140mm,5P,1.25mm	
D301	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D302	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
FL3A01	2702-000156	INDUCTOR-RADIAL;47uH,5%,5x6.4mm	
IC301	1204-001922	IC-VIDEO PROCESS;LA71750M,QFP,100P,-,PLA	
L301	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
L302	2702-000106	INDUCTOR-RADIAL;100uH,10%,6.2x7.4mm	
L370	2702-000106	INDUCTOR-RADIAL;100uH,10%,6.2x7.4mm	
L3A01	2702-000120	INDUCTOR-RADIAL;15mH,5%,6.2x7.4mm	
L3A02	2702-000106	INDUCTOR-RADIAL;100uH,10%,6.2x7.4mm	
L3A03	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
Q302	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q350	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q351	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	CANAL OPTION
Q3A01	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q3A02	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q3A03	0501-000442	TR-SMALL SIGNAL;KTC3203-Y,NPN,400mW,TO-9	
Q3A04	0501-000442	TR-SMALL SIGNAL;KTC3203-Y,NPN,400mW,TO-9	
Q3A05	0501-000442	TR-SMALL SIGNAL;KTC3203-Y,NPN,400mW,TO-9	
Q3A06	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
R315	2007-000221	R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012	
R316	2007-001177	R-CHIP;8.2KOHM,5%,1/10W,DA,TP,2012	
R320	2001-000411	R-CARBON;18KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R321	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R322	2001-000411	R-CARBON;18KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R323	2007-000710	R-CHIP;3.9KOHM,5%,1/10W,DA,TP,2012	
R324	2007-000257	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
R325	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R326	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R327	2007-000072	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R328	2007-000221	R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012	
R329	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R330	2007-001071	R-CHIP;6.8KOHM,5%,1/10W,DA,TP,2012	
R331	2007-000257	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
R333	2007-001039	R-CHIP;560KOHM,5%,1/10W,DA,TP,2012	
R334	2007-000221	R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012	
R335	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R358	2007-000241	R-CHIP;1.5KOHM,5%,1/10W,DA,TP,2012	
R360	2007-000635	R-CHIP;270KOHM,5%,1/10W,DA,TP,2012	
R370	2001-000857	R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R371	2001-000857	R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	CANAL OPTION
R372	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R373	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
R374	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R3A01	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A04	2007-000221	R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012	
R3A05	2007-000615	R-CHIP;24KOHM,5%,1/10W,DA,TP,2012	
R3A06	2007-000449	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R3A07	2007-000757	R-CHIP;330KOHM,5%,1/10W,DA,TP,2012	
R3A08	2007-000356	R-CHIP;12KOHM,5%,1/10W,DA,TP,2012	
R3A09	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R3A11	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	

Loc.No	Part No	Description ; Specification	Remark
R3A12	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R3A13	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R3A14	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A16	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R3A17	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R3A18	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
R3A23	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A24	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R3A25	2007-000221	R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012	
R3A25	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A27	2007-001055	R-CHIP;6.2KOHM,5%,1/10W,DA,TP,2012	
R3A28	2007-000964	R-CHIP;5.1KOHM,5%,1/10W,DA,TP,2012	
R3A29	2007-000964	R-CHIP;5.1KOHM,5%,1/10W,DA,TP,2012	CANAL OPTION
R3A31	2007-000003	R-CHIP;43KOHM,5%,1/10W,DA,TP,2012	
R3A32	2001-000766	R-CARBON;43KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3A33	2001-000766	R-CARBON;43KOHM,5%,1/8W,AA,TP,1.8X3.2MM	CANAL OPTION
R3A50	2007-000964	R-CHIP;5.1KOHM,5%,1/10W,DA,TP,2012	
R3A51	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
XT301	2801-001397	CRYSTAL-UNIT;4.433619MHz,20ppm,28-AAA,S.	

TM-BLOCK

Loc.No	Part No	Description ; Specification	Remark
C401	2401-001479	C-AL;470uF,20%,10V,GP,TP,-,-	
C402	2203-000609	C-CERAMIC,CHIP;22nF,10%,50V,X7R,TP,2012	
C403	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C404	2401-001077	C-AL;330nF,20%,50V,GP,TP,4x7mm,5mm	
C405	2401-003046	C-AL;47uF,20%,50V,WT,TP,6.3x11,2.5	
C406	2202-000797	C-CERAMIC,MLC-AXIAL;10nF,30%,16V,Y5S,TP,	
C407	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	France Models Only
C408	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C410	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
D410	0402-000127	DIODE-RECTIFIER;1N4002,100V,1A,DO-41,TP	
L402	2702-000106	INDUCTOR-RADIAL;100uH,10%,6.2x7.4mm	
R401	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	Not used France Models
R402	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	Not used France Models
R403	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R404	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R405	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	Not used France Models
R407	2007-001177	R-CHIP;8.2KOHM,5%,1/10W,DA,TP,2012	Not used France Models
R408	2001-000221	R-CARBON;1.2KOHM,5%,1/8W,AA,TP,1.8X3.2M	Not used France Models
TM401	AC40-00001K	TM BLOCK;TCPL8081PD11A,G/L-Solitax,TCP	France Models Only
	AC40-00001P	TM BLOCK;TCMB8080PD13A,PAL-B/G,MONO,-,	Other Models
	AC40-00001R	TM BLOCK;TCMB8610PD13A,UHF-I,MONO,-,-	U.K Models Only
	AC40-00014A	TM BLOCK;TCMK8081PD13A,G/I/D,MONO,NIF)	SI-25Q7/25G07/25K/F56GX Only
ZD401	0403-000390	DIODE-ZENER;UZP33B,33V,31.4-34.6V,1W,DO-	

SECAM PARTS(FRANCE ONLY)

Loc.No	Part No	Description ; Specification	Remark
C3S01	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C3S02	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C3S03	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C3S04	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C3S05	2202-003037	C-CERAMIC,MLC-AXIAL;100nF,80-20%,50V,Y5V	
C3S06	2401-001775	C-AL;470nF,20%,50V,GP,TP,4x7,5	
C3S07	2202-000797	C-CERAMIC,MLC-AXIAL;10nF,30%,16V,Y5S,TP,	
C3S08	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C3S09	2401-001775	C-AL;470nF,20%,50V,GP,TP,4x7,5	
C3S10	2401-002095	C-AL;47uF,20%,25V,GP,TP,6.3x5,5	
C3S11	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
C3S12	2203-000495	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,2012	
C3S13	2203-000495	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,2012	
C3S14	2401-000665	C-AL;2.2uF,20%,50V,GP,TP,3.5x5,5	
C3S15	2202-000797	C-CERAMIC,MLC-AXIAL;10nF,30%,16V,Y5S,TP,	
IC3S01	1204-001921	IC-CHROMA;LA7600M,SOP,30P,375MIL,PLASTI	
R3S01	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R3S02	2001-000435	R-CARBON;1MOHM,5%,1/8W,AA,TP,1.8X3.2MM	

OSD/VPS/POC PARTS

Loc.No	Part No	Description ; Specification	Remark
C6P01	2203-000250	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C6P02	2203-000327	C-CERAMIC,CHIP;0.12nF,5%,50V,SL,TP,2012	OSD Only
C6P04	2203-000583	C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,201	
C6P05	2203-000583	C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,201	
C6P06	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C6P07	2401-002295	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C6P08	2202-000286	C-CERAMIC,MLC-AXIAL;56pF,5%,50V,SL,TP,	
C6P10	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C6P11	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
C6P12	2401-003107	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C6P13	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	
IC6P01	1204-001794	IC-AUDIO PROCESSOR;LC74775M4-9808,MFP,30	
	1204-001795	IC-OSD PROCESSOR;LC74755M-9820,MFP,24P,	OSD Only
L6P03	2701-000150	INDUCTOR-AXIAL;22uH,5%,2.4x3.4mm	
L6P05	2701-000155	INDUCTOR-AXIAL;27uH,5%,2.4x3.4mm	
Q6P01	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
Q6P02	0501-000303	TR-SMALL SIGNAL;KSA733,PNP,250mW,TO-92,T	
R6P01	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R6P02	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R6P03	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R6P04	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R6P05	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R6P06	2007-000981	R-CHIP;5.6KOHM,5%,1/10W,DA,TP,2012	
R6P07	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R6P08	2007-000822	R-CHIP;390OHM,5%,1/10W,DA,TP,2012	
R6P09	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	OSD Only
R6P10	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	

INPUT-OUTPUT PARTS

Loc.No	Part No	Description ; Specification	Remark
C801	2401-003122	C-AL;4.7uF,20%,50V,LL,TP,4x7,1.5	CANAL OPTION
C802	2401-003122	C-AL;4.7uF,20%,50V,LL,TP,4x7,1.5	CANAL OPTION
C804	2401-003122	C-AL;4.7uF,20%,50V,LL,TP,4x7,1.5	CANAL OPTION
C806	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
C808	2401-003122	C-AL;4.7uF,20%,50V,LL,TP,4x7,1.5	CANAL OPTION
C810	2401-003122	C-AL;4.7uF,20%,50V,LL,TP,4x7,1.5	CANAL OPTION
C812	2401-003122	C-AL;4.7uF,20%,50V,LL,TP,4x7,1.5	CANAL OPTION
C813	2203-000206	C-CERAMIC,CHIP;100nF,10%,50V,X7R,TP,2012	CANAL OPTION
C814	2401-002155	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	CANAL OPTION
C815	2401-003122	C-AL;4.7uF,20%,50V,LL,TP,4x7,1.5	CANAL OPTION
C822	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
C826	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	CANAL OPTION
C834	2203-000704	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,2012	CANAL OPTION
C837	2203-000704	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,2012	
C841	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	CANAL OPTION
C842	2203-000704	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,2012	CANAL OPTION
C845	2203-000704	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,2012	
D805	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
IC801	AC14-12004X	IC-FP;BU4053BCF,SOP,REEL	CANAL OPTION
JC801	3722-001573	JACK-SCART;42P/2R,-,SN,BLK/BLU,#28-28	
L805	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	CANAL OPTION
L807	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	
L810	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	
L811	2701-000181	INDUCTOR-AXIAL;33uH,5%,2.4x3.4mm	CANAL OPTION
L814	AC27-92001M	INDUCTOR;RH3.5X6.5RS,BEAD(RADIAL),-,-,-	
Q802	0504-000119	TR-DIGITAL;KSR1004,NPN,300MW,47K/47K,TO-	
Q803	0504-000119	TR-DIGITAL;KSR1004,NPN,300MW,47K/47K,TO-	CANAL OPTION
Q804	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K/4.7K,T	
Q806	0504-000142	TR-DIGITAL;KSR2001,PNP,300MW,4.7K/4.7K,T	CANAL OPTION
Q808	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	
Q810	0501-000398	TR-SMALL SIGNAL;KSC945,NPN,250mW,TO-92,T	CANAL OPTION
R802	2007-000257	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
R803	2007-000257	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
R807	2007-001156	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R808	2007-001156	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	CANAL OPTION
R808	2001-000998	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	CANAL OPTION

Loc.No	Part No	Description ; Specification	Remark
R810	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	CANAL OPTION
R811	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	CANAL OPTION
R812	2007-001156	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R813	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R814	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R815	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R816	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R819	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	CANAL OPTION
R820	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	CANAL OPTION
R821	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	CANAL OPTION
R822	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	CANAL OPTION
R828	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R831	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	CANAL OPTION
R832	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	CANAL OPTION
R833	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	CANAL OPTION
R835	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	CANAL OPTION
R836	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	CANAL OPTION
R839	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	CANAL OPTION
R842	2001-000857	R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R843	2007-000039	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	CANAL OPTION
R851	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	CANAL OPTION
R852	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	CANAL OPTION
R853	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	CANAL OPTION
R855	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	CANAL OPTION
R856	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	CANAL OPTION
ZD801	0403-000297	DIODE-ZENER;MTZ6.2B,6.2V,5.96-6.27V,500m	CANAL OPTION

DISPLAY/FUNCTION MATRIX PARTS

Loc.No	Part No	Description ; Specification	Remark
C701	2401-001479	C-AL;470uF,20%,10V,GP,TP,-,-	
C702	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012	
C703	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
D701	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D702	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D703	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
D704	0401-000101	DIODE-SWITCHING;1N4148,100V,200mA,DO-35,	
DT701	AC07-00032A	LED DISPLAY;LTG-8130M,-,38,8.5,55.2*18.5	
IC701	1003-001443	IC-LED DRIVER;PT6956,SOIC,28P,300MIL,-,-	
L701	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
R727	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
R728	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
R729	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
R730	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
R731	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R732	2007-000658	R-CHIP;270OHM,5%,1/10W,DA,TP,2012	
R733	2007-000658	R-CHIP;270OHM,5%,1/10W,DA,TP,2012	
R734	2007-000658	R-CHIP;270OHM,5%,1/10W,DA,TP,2012	
R735	2007-000658	R-CHIP;270OHM,5%,1/10W,DA,TP,2012	
R736	2007-000658	R-CHIP;270OHM,5%,1/10W,DA,TP,2012	
R737	2007-000658	R-CHIP;270OHM,5%,1/10W,DA,TP,2012	
R738	2007-000658	R-CHIP;270OHM,5%,1/10W,DA,TP,2012	
R741	2007-000658	R-CHIP;270OHM,5%,1/10W,DA,TP,2012	
R777	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
RM701	AC32-00006A	MODULE REMOCON;TSOP2238WE1,38KHZ,-,5.00m	
SW701	3404-001187	SWITCH-TACT;12V,50MA,100GF,5X5X3.5,SPST	
SW703	3404-001187	SWITCH-TACT;12V,50MA,100GF,5X5X3.5,SPST	
SW708	3404-001187	SWITCH-TACT;12V,50MA,100GF,5X5X3.5,SPST	
SW709	3404-001187	SWITCH-TACT;12V,50MA,100GF,5X5X3.5,SPST	
SW711	3404-001187	SWITCH-TACT;12V,50MA,100GF,5X5X3.5,SPST	
SW712	3404-001187	SWITCH-TACT;12V,50MA,100GF,5X5X3.5,SPST	
SW714	3404-001187	SWITCH-TACT;12V,50MA,100GF,5X5X3.5,SPST	
SW715	3404-001187	SWITCH-TACT;12V,50MA,100GF,5X5X3.5,SPST	
SW716	3404-001187	SWITCH-TACT;12V,50MA,100GF,5X5X3.5,SPST	
SW718	3404-001182	SWITCH-TACT;DC12V,50MA,100GF,6.0X6.0X5.0	
SW719	3404-001187	SWITCH-TACT;12V,50MA,100GF,5X5X3.5,SPST	

5. PCB Diagrams

5-1 Main - 5-2

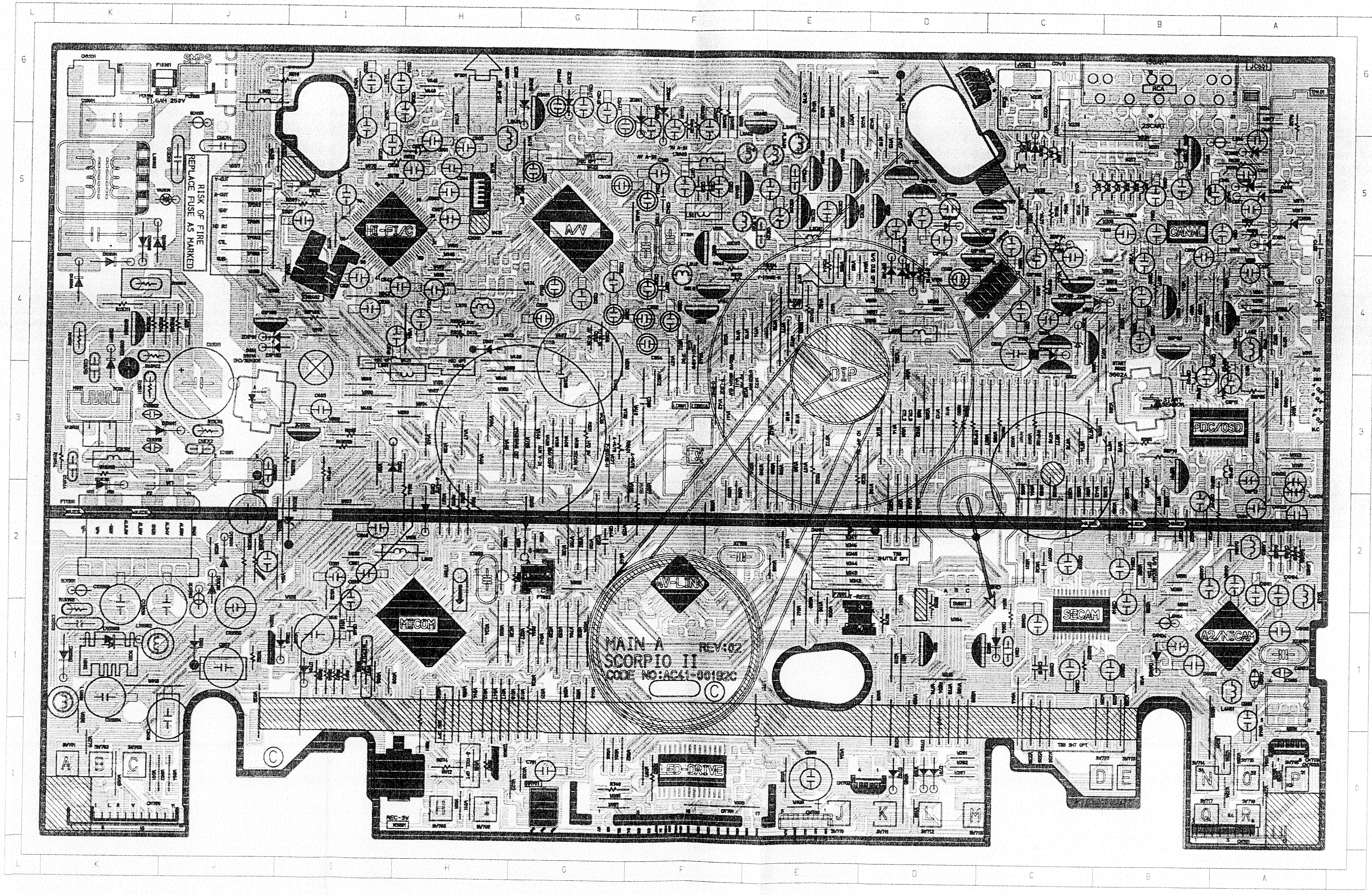
5-2 Sub - 5-4

5-3 F/AV (SV-657F/657B/657X/657GX Only)- 5-4

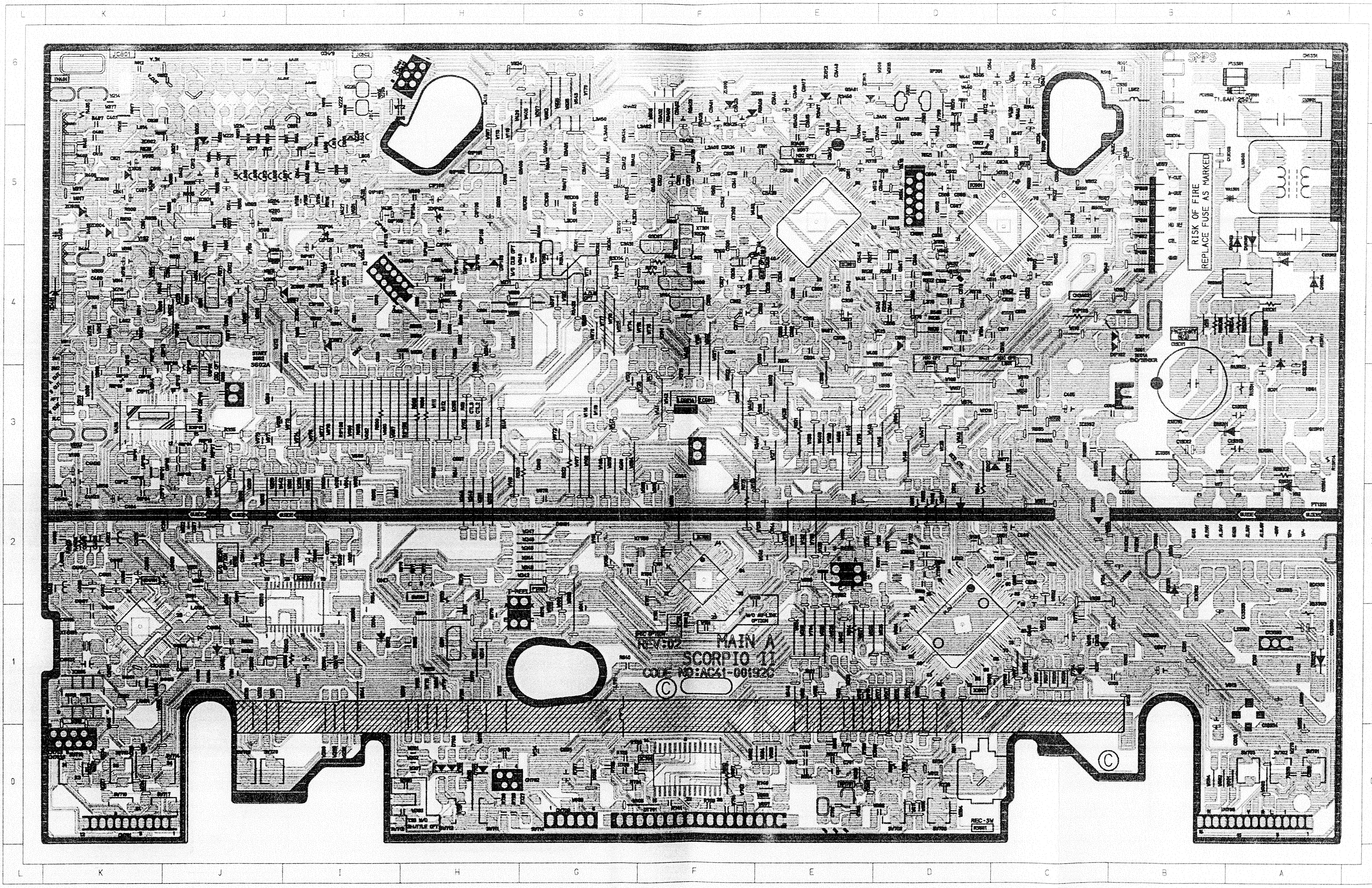
5-4 Function (SV-657F/657B/657X/657GX Only)- 5-4

5-1 Main

COMPONENT SIDE

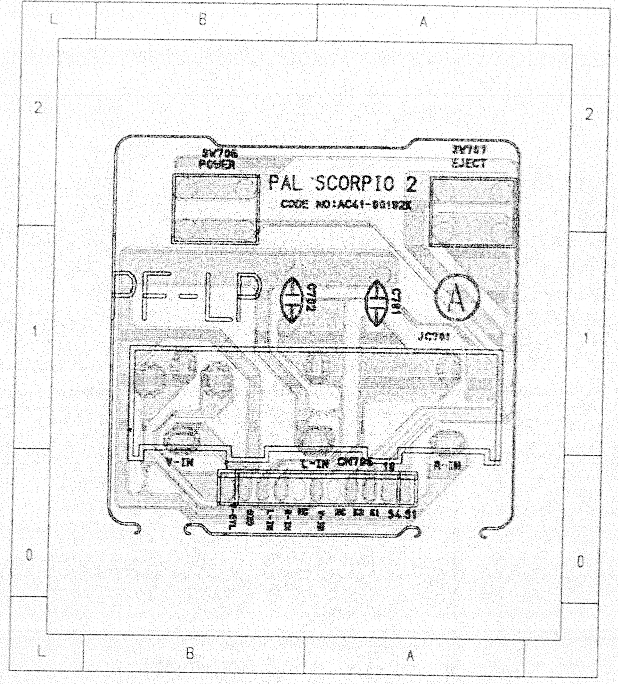

L
K
J
I
H
G
F
E
D
C
B
A
6
5
4
3
2
1
0
SMPS
T1.6AH 250V
RISK OF FIRE
REPLACE FUSE AS MARKED
HI-FI/C
A/V
DIP
CANAL
PDC/OSD
RCA
MICOM
AV-LINK
SECAM
A2/NICAM
MAIN A REV:02
SCORPIO II
CODE NO:AC41-00192C
LED-DRIVE
A
B
C
D
E
H
I
J
K
L
M
N
O
P
Q
R

CONDUCTOR SIDE

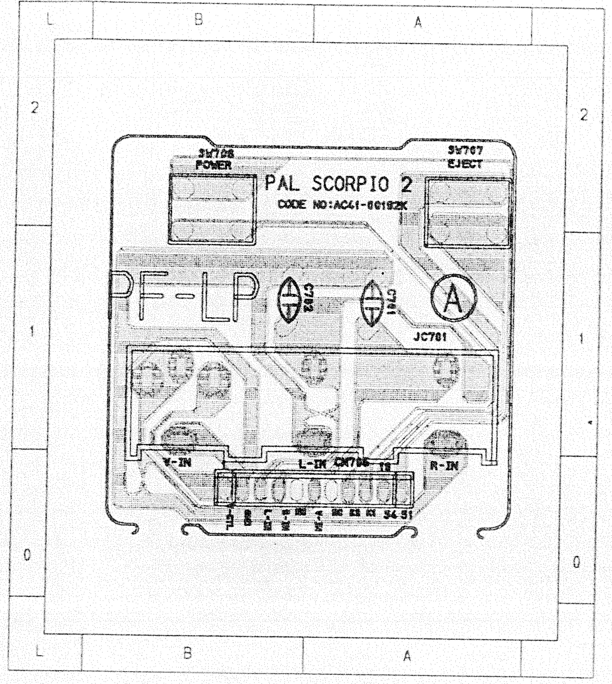

L
K
J
I
H
G
F
E
D
C
B
A
6
5
4
3
2
1
0
SMPS
T1.6AH 250V
RISK OF FIRE
REPLACE FUSE AS MARKED
REV:02
MAIN A
SCORPIO II
CODE NO:AC41-00192C
©
REC-5V

5-2 Sub

COMPONENT SIDE

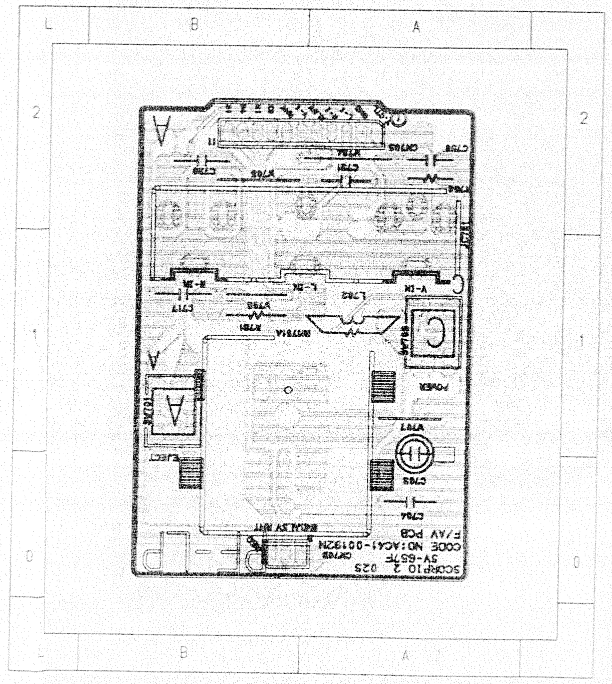

SW708
POWER
SW707
EJECT
PAL SCORPIO 2
CODE NO:AC41-00192K
PF-LP
CT02
CT01
A
JC701
V-IN
L-IN
CN706
R-IN

CONDUCTOR SIDE

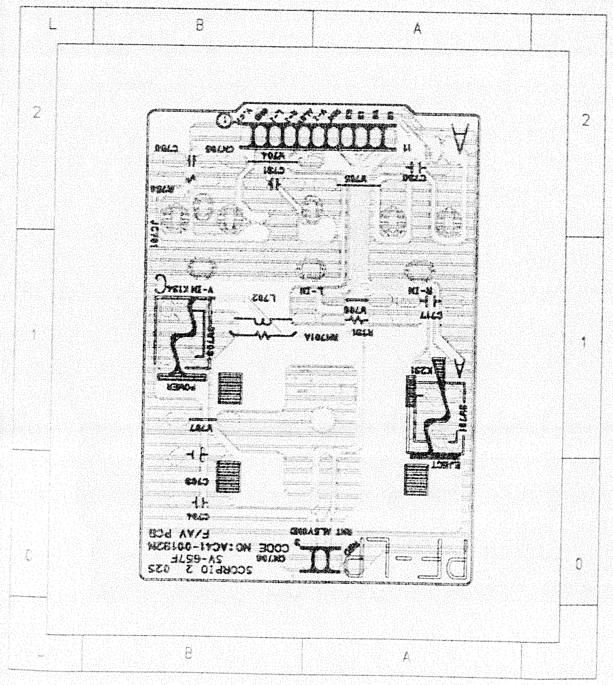

SW708
POWER
SW707
EJECT
PAL SCORPIO 2
CODE NO:AC41-00192K
PF-LP
CT02
CT01
A
JC701
V-IN
L-IN
CN706
R-IN

5-3 F/AV (SV-657F/657B/657X/657GX Only)

COMPONENT SIDE

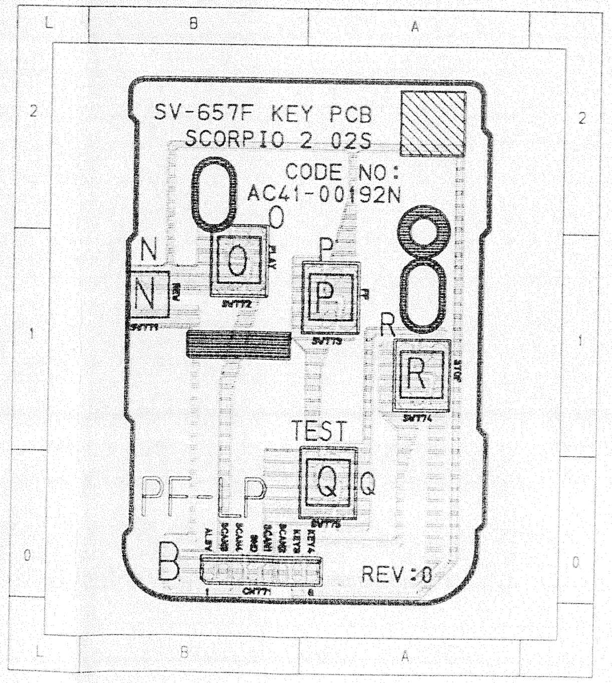

A
C
POWER
EJECT
SCORPIO 2 02S
SV-657F
F/AV PCB
CODE NO:AC41-00192N

CONDUCTOR SIDE

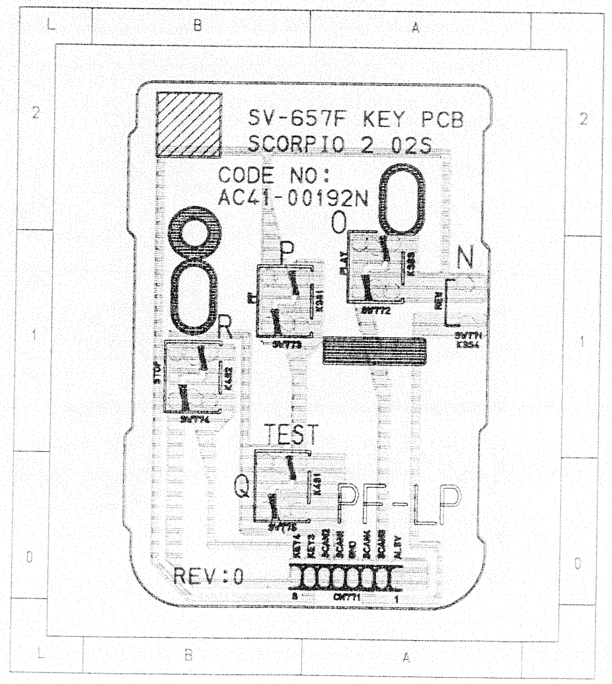

A
POWER
EJECT
SCORPIO 2 02S
SV-657F
F/AV PCB
CODE NO:AC41-00192N
PF-LP

5-4 Function (SV-657F/657B/657X/657GX Only)

COMPONENT SIDE


SV-657F KEY PCB
SCORPIO 2 02S
CODE NO:
AC41-00192N
N
O
P
R
TEST
Q
PF-LP
B
REV:0
CN771

CONDUCTOR SIDE


SV-657F KEY PCB
SCORPIO 2 02S
CODE NO:
AC41-00192N
O
P
N
R
TEST
Q
PF-LP
REV:0
CN771

6. Schematic Diagrams

Block Identification of Main PCB - 6-2

6-1 S.M.P.S. - 6-3

6-2 Power Drive - 6-4

6-3 System Control/Servo/Display - 6-5

6-4 Audio/Video - 6-7

6-6 Hi-Fi (Option) - 6-9

6-6 TM - 6-11

6-7 SECAM - 6-12

6-8 A2/NICAM - 6-13

6-9 OSD/VPS/PDC - 6-14

6-10 Input-Output (2 Scart Jack) - 6-15

6-11 Input-Output (1 Scart Jack); SV-255B/251B/251i only - - - - - - - - - - - - - - - - 6-16

6-12 Sub- 6-17

Note

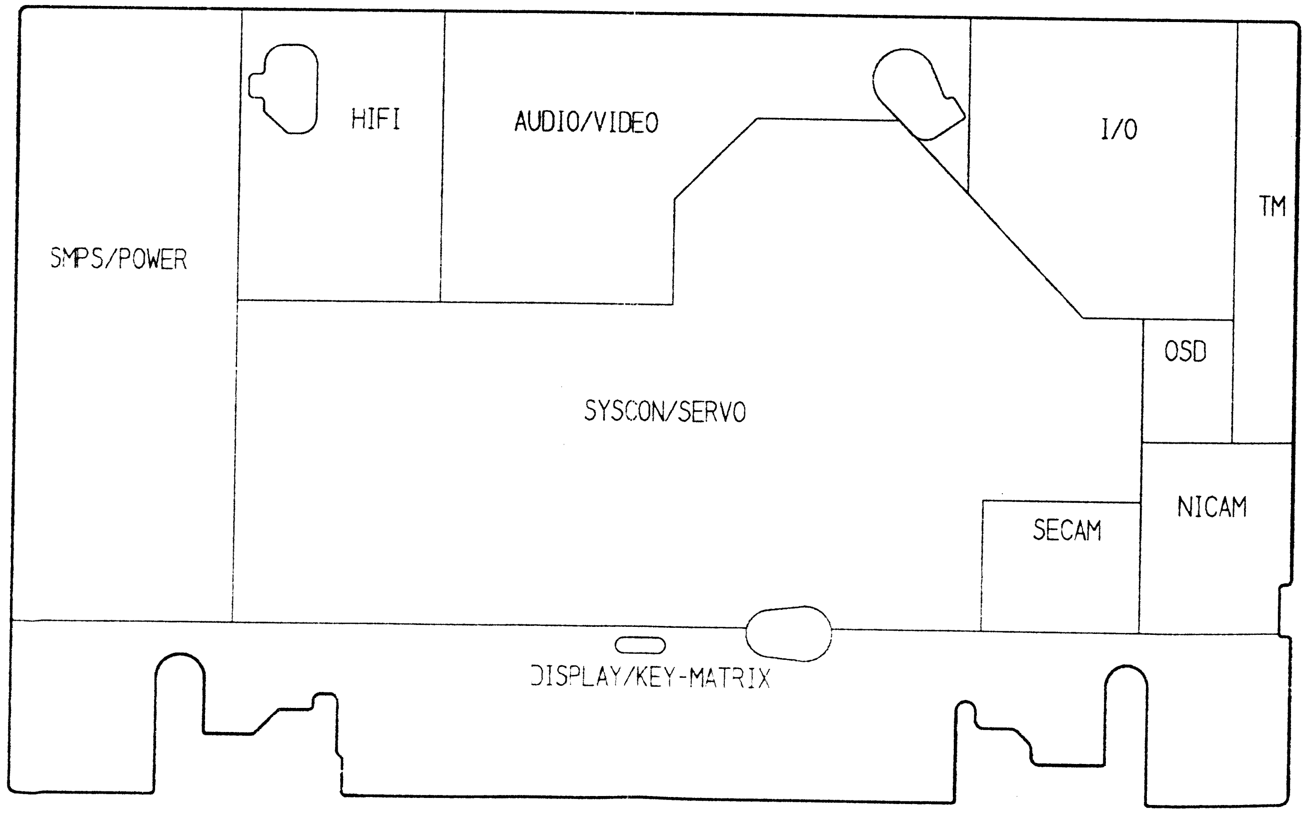
For schematic Diagram
- Resistors are in ohms, 1/8W unless otherwise noted.

Special note :
Most semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the "electrostatically sensitive (ES) devices" section of this service manual.

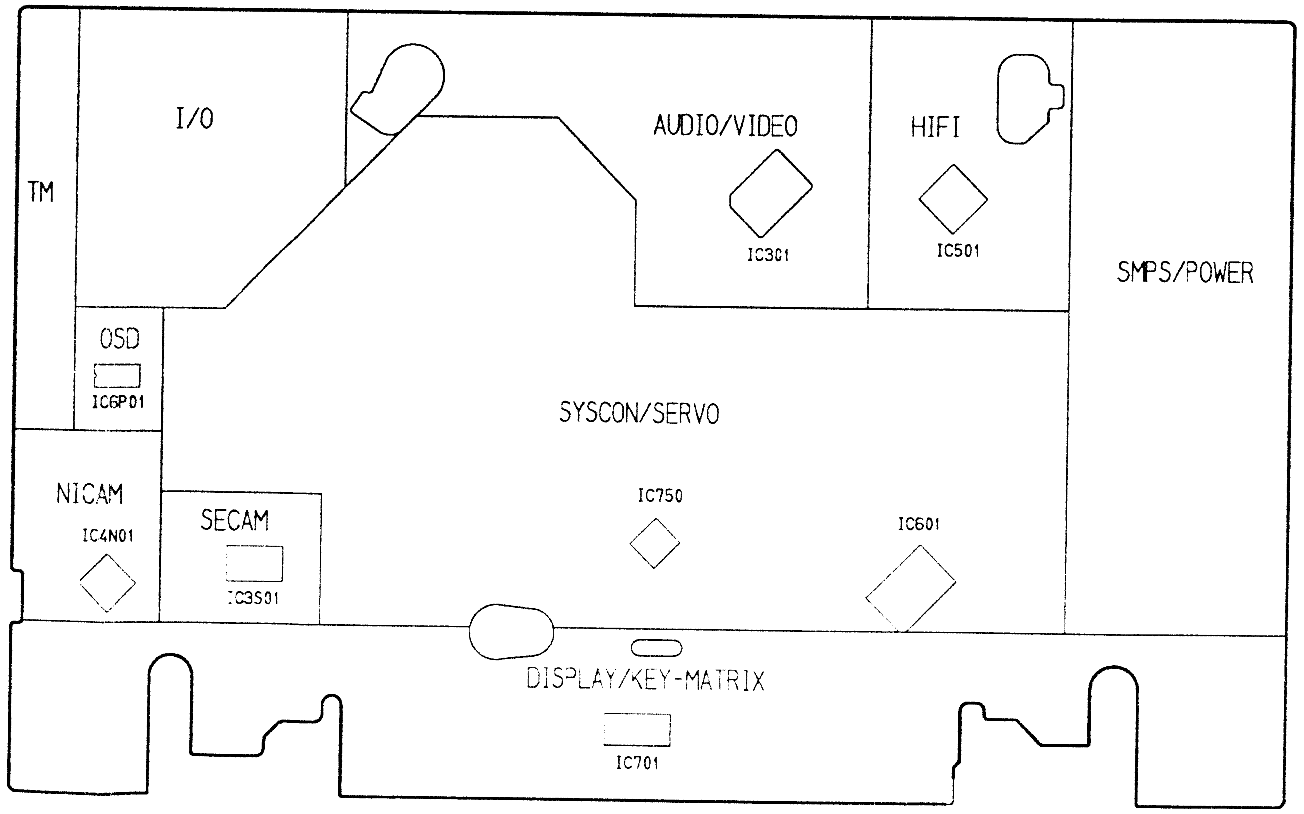
Note :
Do not use the part number shown on this drawing for ordering. The correct part number is shown in the parts list (may be slightly differe or amended since this drawing was prepared).

Important safety notices :
Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components. Use only the same type.

Block Identification of Main PCB

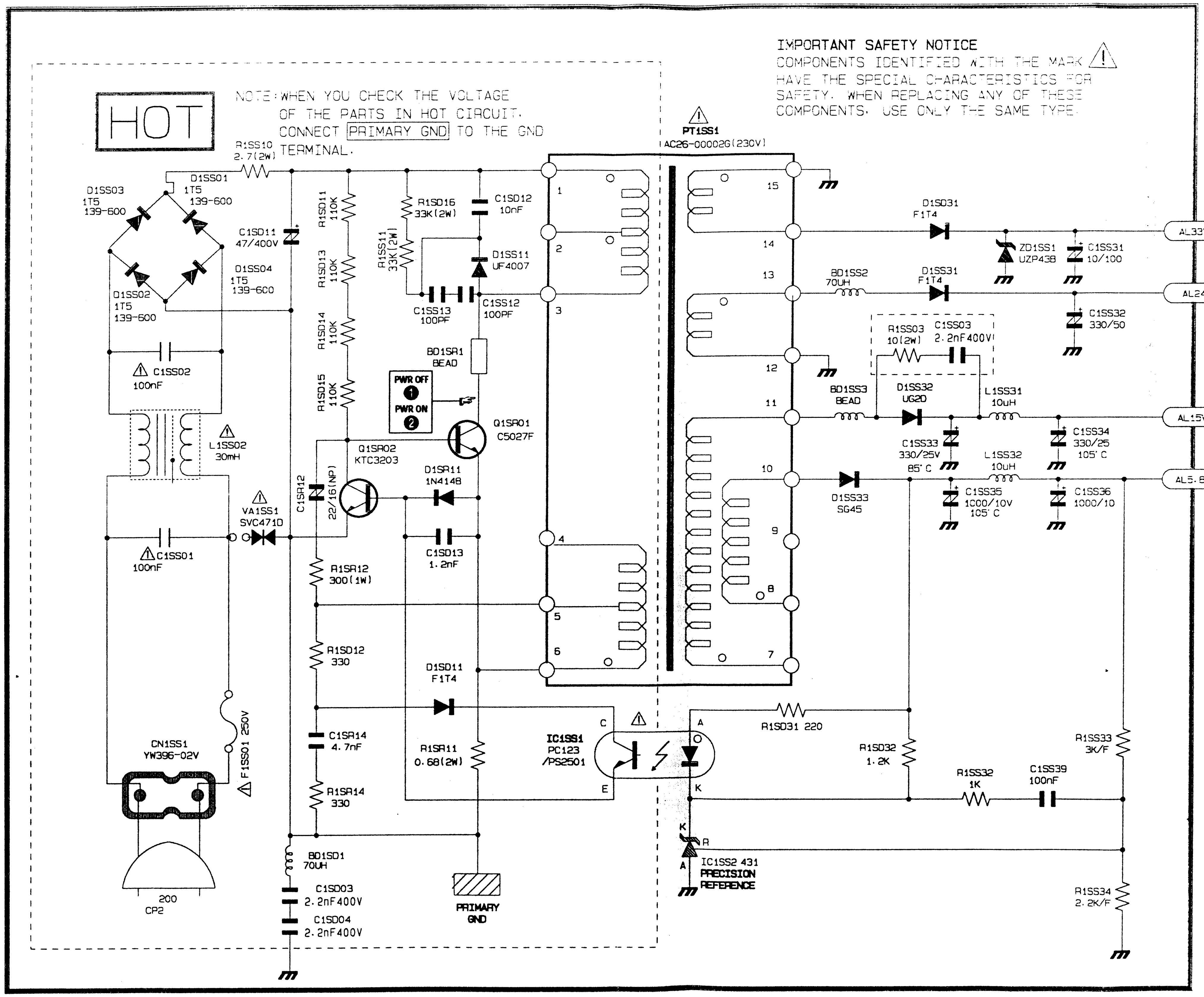

HIFI
AUDIO/VIDEO
I/O
TM
SMPS/POWER
OSD
SYSCON/SERVO
SECAM
NICAM
DISPLAY/KEY-MATRIX

Component Side


TM
I/O
AUDIO/VIDEO
HIFI
IC301
IC501
SMPS/POWER
OSD
IC6P01
SYSCON/SERVO
NICAM
IC4N01
SECAM
IC3S01
IC750
IC601
DISPLAY/KEY-MATRIX
IC701

Conductor Side

6-1 S.M.P.S.

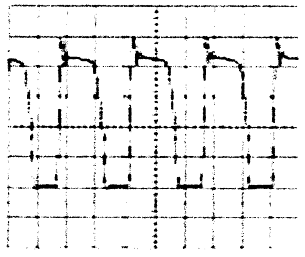


IMPORTANT SAFETY NOTICE
COMPONENTS IDENTIFIED WITH THE MARK ⚠ HAVE THE SPECIAL CHARACTERISTICS FOR SAFETY. WHEN REPLACING ANY OF THESE COMPONENTS, USE ONLY THE SAME TYPE.

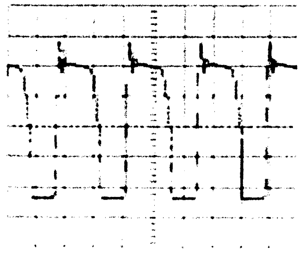
NOTE: WHEN YOU CHECK THE VOLTAGE OF THE PARTS IN HOT CIRCUIT, CONNECT PRIMARY GND TO THE GND TERMINAL.

HOT
R1SS10
2.7(2W)
D1SS01
1T5
139-600
D1SS03
1T5
139-600
D1SS02
1T5
139-600
D1SS04
1T5
139-600
C1SD11
47/400V
R1SD11
110K
R1SD13
110K
R1SD14
110K
R1SD15
110K
R1SD16
33K(2W)
R1SS11
33K(2W)
C1SD12
10nF
D1SS11
UF4007
C1SS13
100PF
C1SS12
100PF
BD1SR1
BEAD
PWR OFF
❶
PWR ON
❷
Q1SR01
C5027F
Q1SR02
KTC3203
D1SR11
1N4148
C1SR12
22/16(NP)
C1SD13
1.2nF
R1SR12
300(1W)
R1SD12
330
D1SD11
F1T4
C1SR14
4.7nF
R1SR11
0.68(2W)
R1SR14
330
BD1SD1
70UH
C1SD03
2.2nF400V
C1SD04
2.2nF400V
PRIMARY
GND
⚠ C1SS02
100nF
⚠ L1SS02
30mH
⚠ VA1SS1
SVC471D
⚠ C1SS01
100nF
CN1SS1
YW396-02V
⚠ F1SS01 250V
200
CP2
⚠
PT1SS1
AC26-00002G(230V)
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
D1SD31
F1T4
ZD1SS1
UZP43B
C1SS31
10/100
AL33V
POWER DRIVE
BD1SS2
70UH
D1SS31
F1T4
AL24V
POWER DRIVE
C1SS32
330/50
R1SS03
10(2W)
C1SS03
2.2nF400V
BD1SS3
BEAD
D1SS32
UG2D
L1SS31
10uH
AL15V
POWER DRIVE
C1SS33
330/25V
85°C
L1SS32
10uH
C1SS34
330/25
105°C
D1SS33
SG45
C1SS35
1000/10V
105°C
C1SS36
1000/10
AL5.8V
POWER DRIVE
IC1SS1
PC123
/PS2501
C
E
A
K
R1SD31 220
R1SD32
1.2K
R1SS32
1K
C1SS39
100nF
R1SS33
3K/F
IC1SS2 431
PRECISION
REFERENCE
K
R
A
R1SS34
2.2K/F

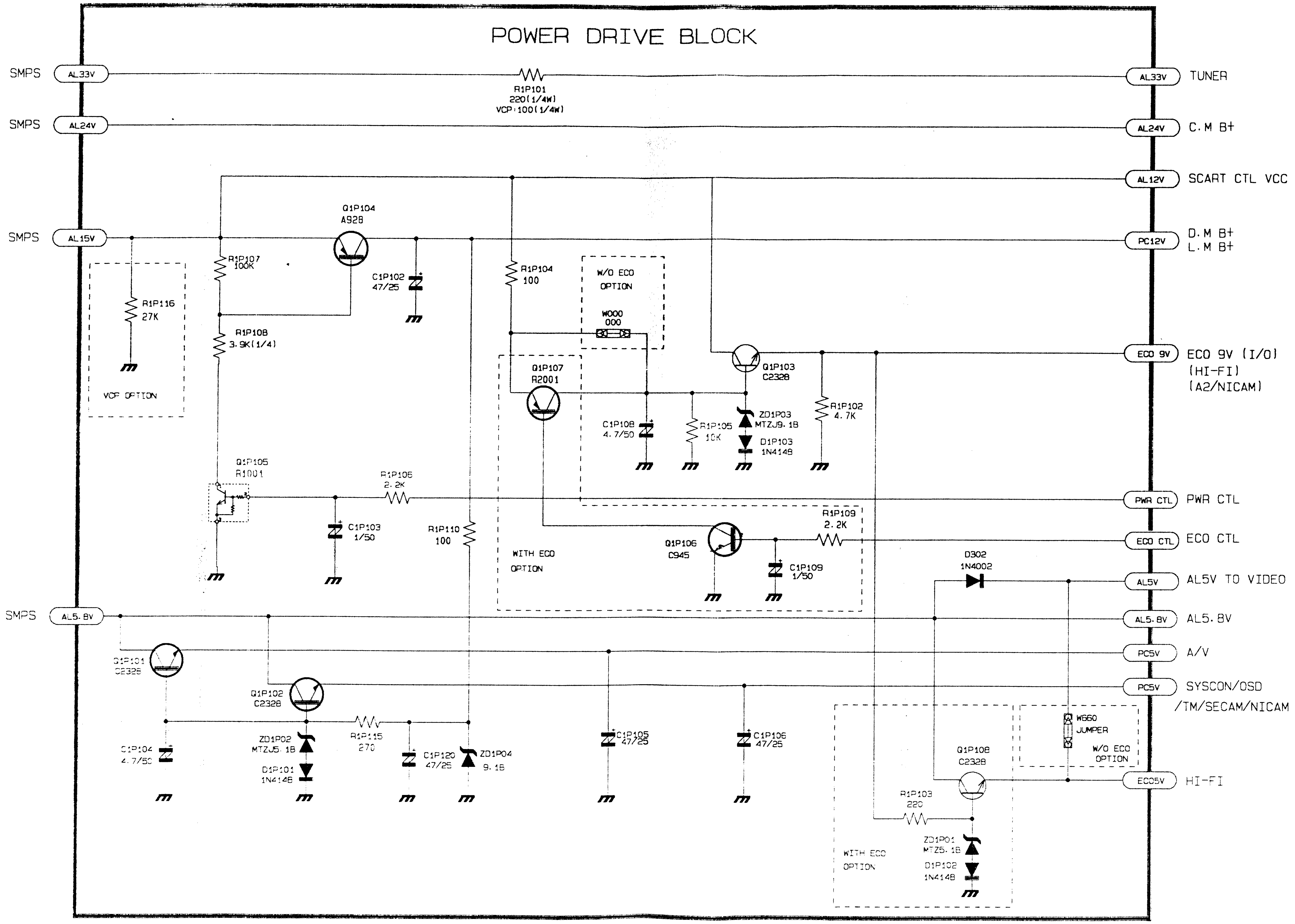
❶ Q1SR01-COLLECTOR
POWER OFF/380Vp-p



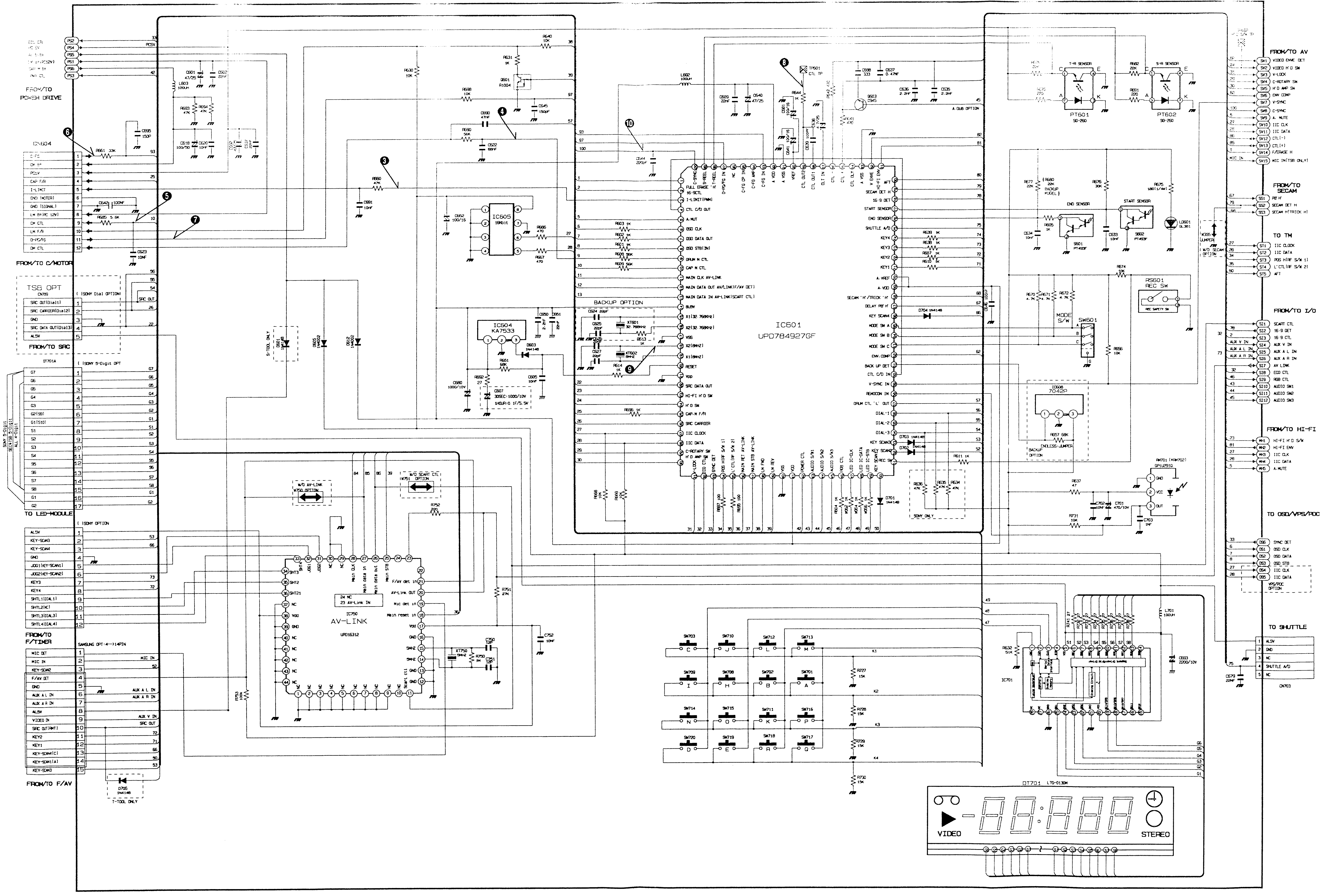
❷ Q1SR01-COLLECTOR
POWER ON/400Vp-p



6-2 Power Drive

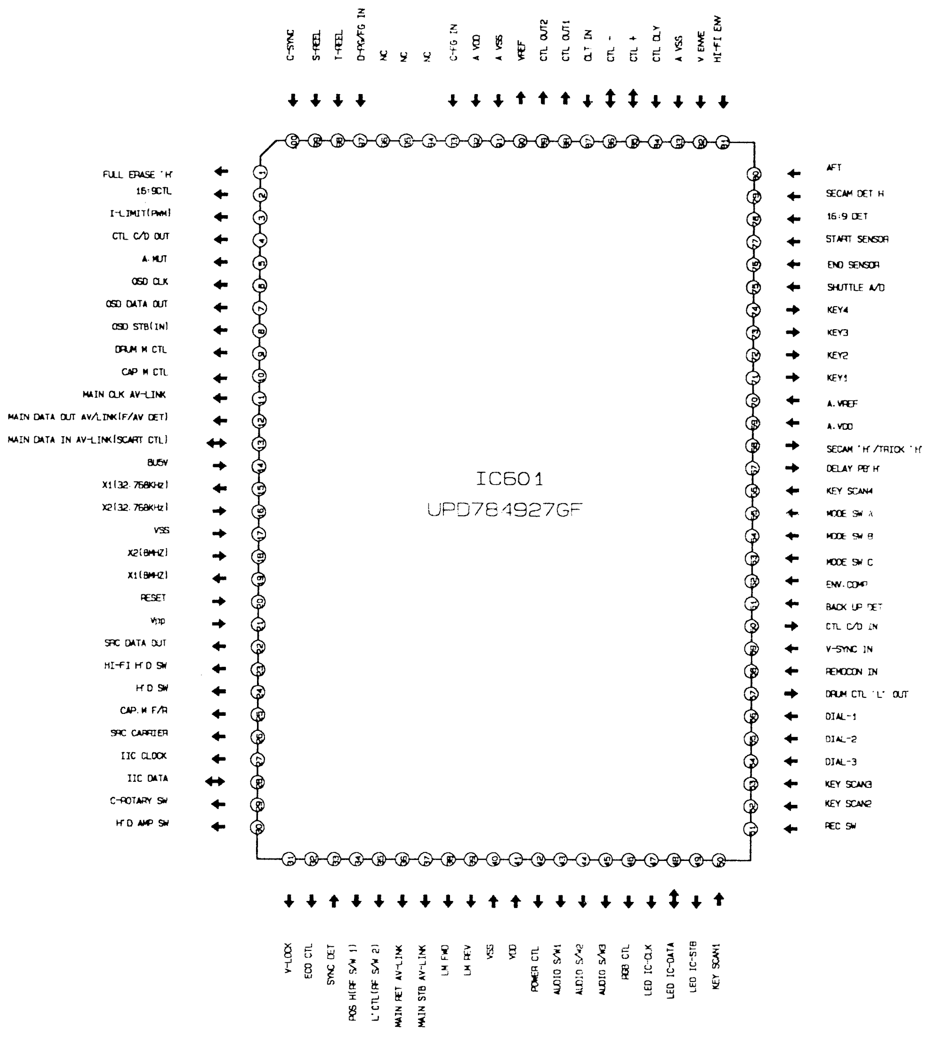

POWER DRIVE BLOCK
SMPS
AL33V
R1P101
220(1/4W)
VCP:100(1/4W)
AL33V
TUNER
SMPS
AL24V
AL24V
C.M B+
AL12V
SCART CTL VCC
Q1P104
A928
SMPS
AL15V
PC12V
D.M B+
L.M B+
R1P107
100K
C1P102
47/25
R1P104
100
W/O ECO
OPTION
W000
000
R1P116
27K
R1P108
3.9K(1/4)
VCP OPTION
Q1P107
R2001
Q1P103
C2328
ECO 9V
ECO 9V (I/O)
(HI-FI)
(A2/NICAM)
C1P108
4.7/50
R1P105
10K
ZD1P03
MTZJ9.1B
D1P103
1N4148
R1P102
4.7K
Q1P105
R1001
R1P106
2.2K
PWR CTL
PWR CTL
C1P103
1/50
R1P110
100
WITH ECO
OPTION
R1P109
2.2K
Q1P106
C945
C1P109
1/50
ECO CTL
ECO CTL
D302
1N4002
AL5V
AL5V TO VIDEO
SMPS
AL5.8V
AL5.8V
AL5.8V
Q1P101
C2328
PC5V
A/V
Q1P102
C2328
PC5V
SYSCON/OSD
/TM/SECAM/NICAM
ZD1P02
MTZJ5.1B
D1P101
1N4148
R1P115
270
C1P104
4.7/50
C1P120
47/25
ZD1P04
9.1B
C1P105
47/25
C1P106
47/25
W660
JUMPER
W/O ECO
OPTION
Q1P108
C2328
ECO5V
HI-FI
R1P103
220
ZD1P01
MTZ5.1B
D1P102
1N4148
WITH ECO
OPTION

6-3 System Control/Servo/Display



FROM/TO POWER DRIVE
CN604
FROM/TO C/MOTOR
TSB OPT
FROM/TO SRC
TO LED-MODULE
FROM/TO F/TIMER
FROM/TO F/AV
IC505
16Kbit
IC504
KA7533
BACKUP OPTION
IC601
UPD784927GF
IC750
AV-LINK
UPD16312
W/O AV-LINK W750 OPTION
W/O SCART CTL W751 OPTION
T-R SENSOR
S-R SENSOR
PT601
PT602
END SENSOR
START SENSOR
RS601 REC SW
MODE S/W
SW601
IC508
7042P
RM701
IC701
D705 1N4148
T-TOOL ONLY
S-TOOL ONLY
SONY ONLY
FROM/TO AV
FROM/TO SECAM
TO TM
FROM/TO I/O
FROM/TO HI-FI
TO OSD/VPS/PDC
VPS/PDC OPTION
TO SHUTTLE
CN703
DT701
VIDEO
STEREO
SW703 C
SW710 J
SW712 L
SW713 M
SW709 I
SW708 H
SW702 B
SW701 A
SW714 N
SW715 O
SW711 K
SW716 P
SW720 D
SW719 E
SW718 R
SW717 Q

IC601 NEC4928


C-SYNC
S-REEL
T-REEL
D-PG/FG IN
NC
NC
NC
C-FG IN
A VDD
A VSS
VREF
CTL OUT2
CTL OUT1
CLT IN
CTL -
CTL +
CTL DLY
A VSS
V ENVE
HI-FI ENV
FULL ERASE 'H'
16:9CTL
I-LIMIT(PWM)
CTL C/D OUT
A.MUT
OSD CLK
OSD DATA OUT
OSD STB(IN)
DRUM M CTL
CAP M CTL
MAIN CLK AV-LINK
MAIN DATA OUT AV/LINK(F/AV DET)
MAIN DATA IN AV-LINK(SCART CTL)
BU5V
X1(32.768KHz)
X2(32.768KHz)
VSS
X2(8MHZ)
X1(8MHZ)
RESET
Vpp
SRC DATA OUT
HI-FI H'D SW
H'D SW
CAP.M F/R
SRC CARRIER
IIC CLOCK
IIC DATA
C-ROTARY SW
H'D AMP SW
IC601
UPD784927GF
AFT
SECAM DET H
16:9 DET
START SENSOR
END SENSOR
SHUTTLE A/D
KEY4
KEY3
KEY2
KEY1
A.VREF
A.VDD
SECAM 'H'/TRICK 'H'
DELAY PB'H
KEY SCAN4
MODE SW A
MODE SW B
MODE SW C
ENV.COMP
BACK UP DET
CTL C/D IN
V-SYNC IN
REMOCON IN
DRUM CTL 'L' OUT
DIAL-1
DIAL-2
DIAL-3
KEY SCAN3
KEY SCAN2
REC SW
V-LOCK
ECO CTL
SYNC DET
POS H(RF S/W 1)
L'CTL(RF S/W 2)
MAIN RET AV-LINK
MAIN STB AV-LINK
LM FWD
LM REV
VSS
VDD
POWER CTL
AUDIO S/W1
AUDIO S/W2
AUDIO S/W3
RGB CTL
LED IC-CLK
LED IC-DATA
LED IC-STB
KEY SCAN1

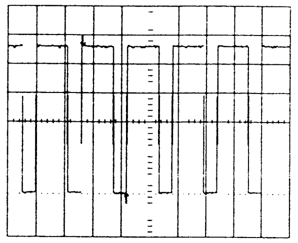
IC601 VOLTAGE TABLE

PIN MODE	PLAY	STOP	REC
IC601	UPD784927GF		
1	0.0	0.0	4.8
2	0.0	0.0	0.0
3	3.6	0.0	3.6
4	3.1	5.2	0.0
5	0.0	5.2	5.1
6	5.1	5.2	5.1
7	5.2	5.2	5.1
8	4.2	4.1	4.1
9	2.6	2.6	2.6
10	2.7	5.2	2.7
11	5.2	5.2	5.2
12	2.1	0.3	2.3
13	2.3	2.1	2.2
14	5.2	5.2	5.2
15	2.1	2.2	2.1
16	2.5	2.5	2.4
17	0.0	0.0	0.0
18	2.4	2.4	2.4
19	2.2	2.2	2.8
20	5.2	5.2	5.2
21	0.0	0.0	0.0
22	0.0	0.0	0.0
23	2.3	2.7	0.0
24	2.7	2.3	2.8
25	0.0	0.0	0.0
26	0.0	0.0	0.0
27	4.6	4.6	4.6
28	4.6	4.6	4.5
29	2.4	2.8	2.8
30	0.0	5.2	0.0
31	0.0	0.0	0.0
32	4.7	4.7	4.7
33	5.1	0.0	0.0
34	1.2	1.4	0.7
35	0.0	0.0	0.0
36	5.2	5.2	5.2
37	1.4	1.3	0.7
38	0.0	0.0	5.1
39	0.0	0.0	0.0
40	0.0	0.0	0.0
41	5.2	5.2	5.2
42	5.2	5.1	5.1
43	0.0	0.0	5.1
44	0.0	0.0	0.0
45	0.0	0.0	0.0
46	5.2	5.1	5.1
47	5.2	5.2	5.2
48	5.2	5.2	5.2
49	5.2	5.2	5.2
50	0.1	0.1	5.2
IC601	UPD784927GF		
51	0.0	0.0	0.0
52	0.0	0.1	0.1
53	5.2	0.1	0.2
54	5.2	5.2	5.2
55	5.2	5.2	5.2
56	5.2	5.2	5.2
57	0.0	0.0	0.0
58	5.2	5.2	5.2
59	5.1	5.2	5.2
60	3.3	5.2	5.2
61	5.2	5.2	5.2
62	1.2	2.5	1.5
63	0.0	0.0	0.0
64	5.2	0.0	5.2
65	0.0	0.0	0.0
66	4.7	4.8	4.7
67	5.2	0.0	0.0
68	0.0	0.0	0.0
69	5.2	0.0	5.2
70	5.2	1.4	5.2
71	0.0	0.0	0.0
72	0.0	0.0	0.0
73	0.0	0.0	0.0
74	0.0	0.0	0.0
75	1.6	1.2	1.5
76	5.2	5.2	5.2
77	5.1	5.2	5.1
78	0.0	0.0	0.0
79	0.0	0.4	0.4
80	3.7	3.7	3.7
81	0.1	0.2	0.2
82	2.3	0.6	0.0
83	1.3	0.0	0.0
84	1.4	1.8	0.0
85	2.6	2.6	2.8
86	2.6	2.6	2.2
87	2.6	2.6	2.6
88	2.6	2.6	2.6
89	2.6	2.6	0.0
90	2.6	2.6	2.6
91	0.0	0.0	0.0
92	5.2	5.2	5.2
93	2.6	5.1	2.6
94	1.4	1.7	1.4
95	1.3	1.5	1.3
96	1.4	1.7	1.3
97	1.3	0.1	1.3
98	0.1	0.1	0.1
99	0.1	0.1	0.3
100	0.2	0.2	0.2

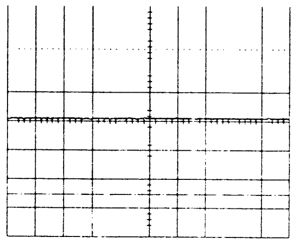
PIN MODE	PLAY	STOP	REC
IC605	24LCXX		
1	0.0	0.0	0.0
2	0.0	0.0	0.0
3	0.0	0.0	0.0
4	0.0	0.0	0.0
5	5.2	5.2	5.2
6	0.0	0.0	0.0
7	4.6	4.7	4.7
8	4.7	4.6	4.6
IC604	KA7533		
1	5.2	5.2	5.2
2	0.0	0.0	0.0
3	5.0	5.1	5.0

WAVEFORM

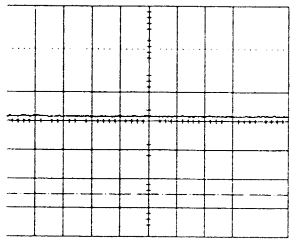
❸ IC601-3
PB/5.1Vp-p



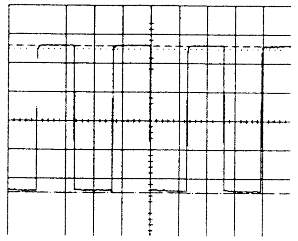
❹ IC601-9
PB/2.7Vp-p



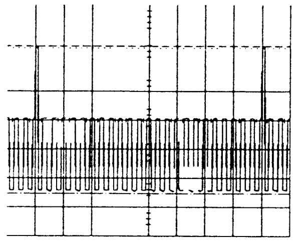
❺ IC601-10
PB/2.7Vp-p



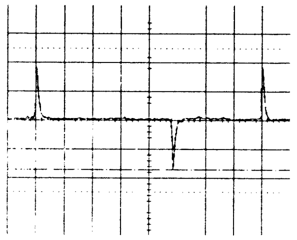
❻ CN604-93
PB/5.1Vp-p



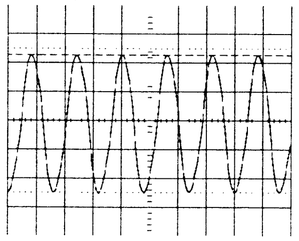
❼ IC610-97
PB/5.1V



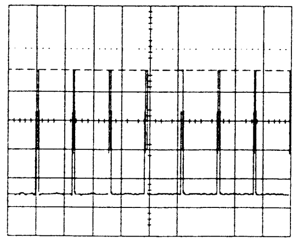
❽ TP601-89
PB/3.6Vp-p



❾ IC601-18
4.8Vp-p

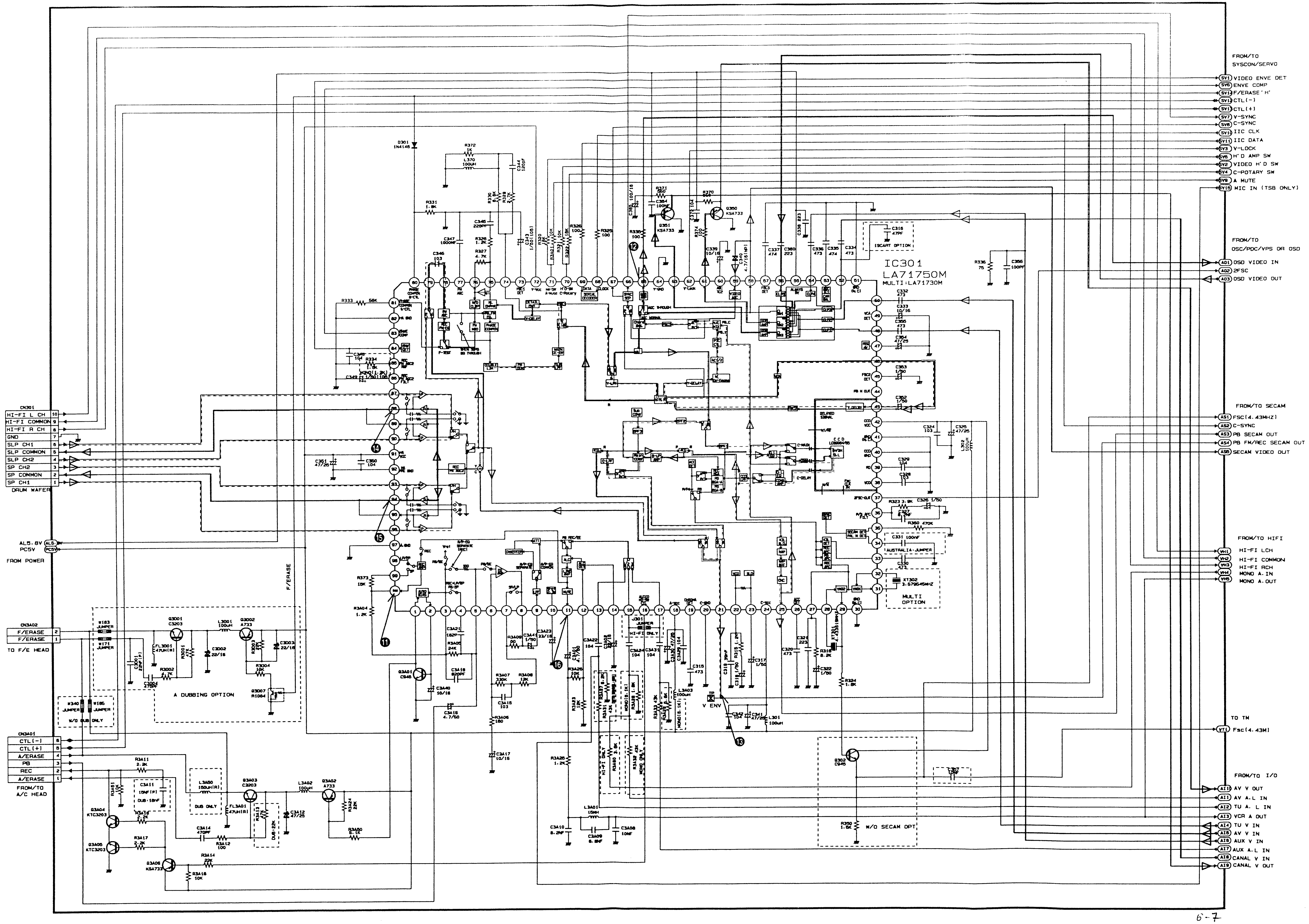


❿ IC601-100
PB/4.3Vp-p



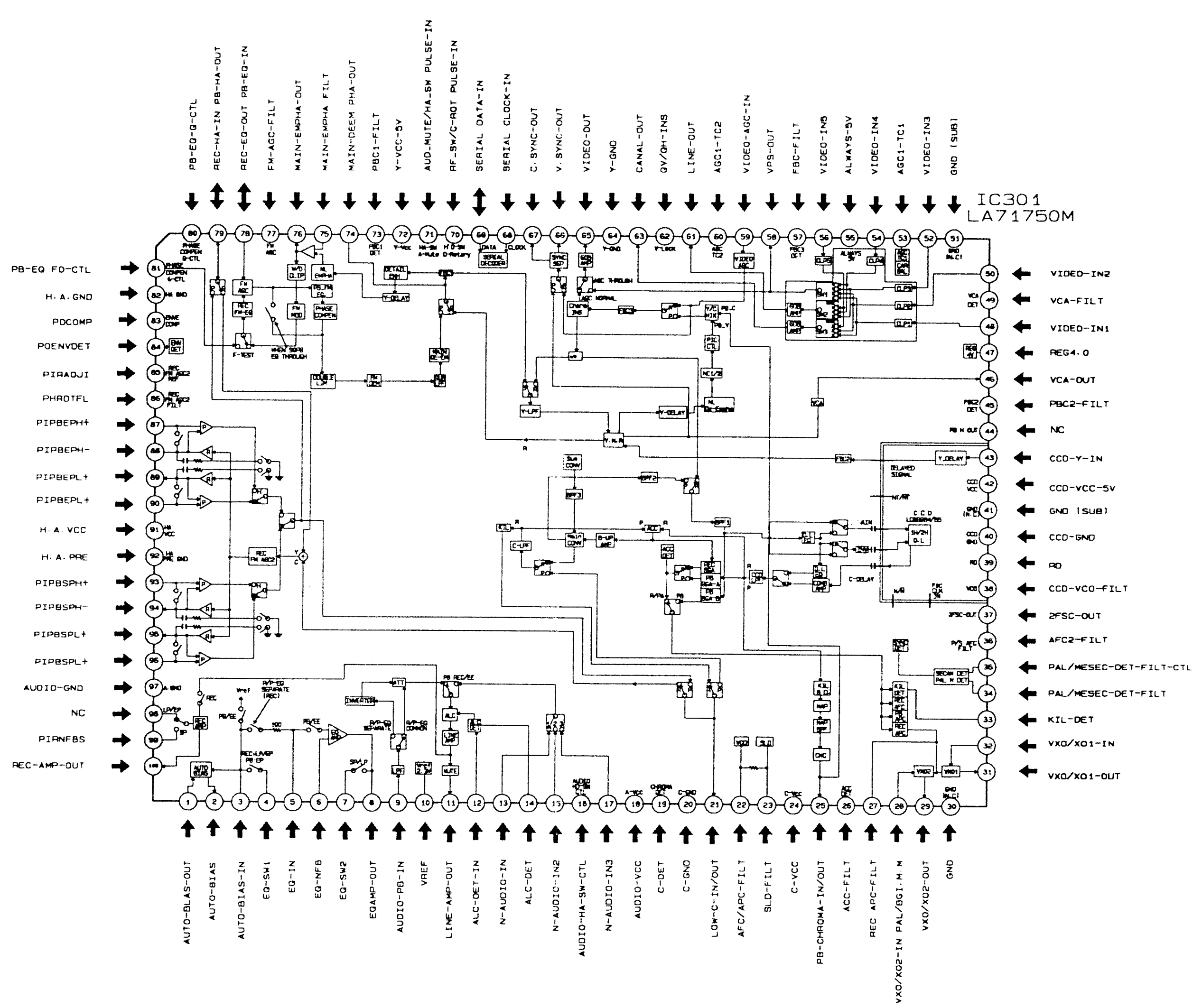
6-4 Audio/Video

—— CHROMA RECORDING - - - - - CHROMA PLAYBACK —— VIDEO SIGNAL IN/OUT LUMINANCE RECORDING - - - - - LUMINANACE PLAYBACK



IC301
LA71750M
MULTI:LA71730M
FROM/TO SYSCON/SERVO
SV1 VIDEO ENVE DET
SV6 ENVE COMP
SV14 F/ERASE'H'
SV12 CTL(-)
SV13 CTL(+)
SV7 V-SYNC
SV8 C-SYNC
SV10 IIC CLK
SV11 IIC DATA
SV3 V-LOCK
SV5 H'D AMP SW
SV2 VIDEO H'D SW
SV4 C-POTARY SW
SV9 A MUTE
SV15 MIC IN (TSB ONLY)
FROM/TO OSC/PDC/VPS OR OSD
A01 OSD VIDEO IN
A02 2FSC
A03 OSD VIDEO OUT
FROM/TO SECAM
AS1 FSC(4.43MHZ)
AS2 C-SYNC
AS3 PB SECAM OUT
AS4 PB FM/REC SECAM OUT
AS5 SECAM VIDEO OUT
FROM/TO HIFI
VH1 HI-FI LCH
VH2 HI-FI COMMON
VH3 HI-FI RCH
VH4 MONO A.IN
VH5 MONO A.OUT
TO TM
YT1 Fsc(4.43M)
FROM/TO I/O
AI10 AV V OUT
AI1 AV A.L IN
AI2 TU A. L IN
AI3 VCR A OUT
AI4 TU V IN
AI5 AV V IN
AI6 AUX V IN
AI7 AUX A.L IN
AI8 CANAL V IN
AI9 CANAL V OUT
CN301
10 HI-FI L CH
9 HI-FI COMMON
8 HI-FI R CH
7 GND
6 SLP CH1
5 SLP COMMON
4 SLP CH2
3 SP CH2
2 SP COMMON
1 SP CH1
DRUM WAFER
AL5.8V
PC5V
FROM POWER
CN3A02
2 F/ERASE
1 F/ERASE
TO F/E HEAD
W183 JUMPER
W171 JUMPER
W340 JUMPER
W185 JUMPER
W/O DUB ONLY
CN3A01
6 CTL(-)
5 CTL(+)
4 A/ERASE
3 PB
2 REC
1 A/ERASE
FROM/TO A/C HEAD
A DUBBING OPTION
F/ERASE
D301 1N4148
Q3001 C3203
Q3002 A733
Q3003 C3203
Q3A01 C945
Q3A02 A733
Q3A03 C3203
Q3A04 KTC3203
Q3A05 KTC3203
Q3A06 KSA733
Q3007 R1064
Q350 KSA733
Q351 KSA733
Q302 C945
L3001 100uH
L3A02 100uH
L3A01 15MH
L301 100uH
L370 100UH
X3302 3.579545MHZ
X3301 4.433619MHZ
MULTI OPTION
1SCART OPTION
AUSTRALIA JUMPER
J301 JUMPER HI-FI ONLY
DUB ONLY
W/O SECAM OPT
V ENV
TP
⑪
⑫
⑬
⑭
⑮
⑯

IC301 LA71750M


IC301
LA71750M
PB-EQ-Q-CTL
REC-HA-IN PB-HA-OUT
REC-EQ-OUT PB-EQ-IN
FM-AGC-FILT
MAIN-EMPHA-OUT
MAIN-EMPHA FILT
MAIN-DEEM PHA-OUT
PBC1-FILT
Y-VCC-5V
AUD_MUTE/HA_SW PULSE-IN
RF_SW/C-ROT PULSE-IN
SERIAL DATA-IN
SERIAL CLOCK-IN
C.SYNC-OUT
V.SYNC-OUT
VIDEO-OUT
Y-GND
CANAL-OUT
QV/QH-INS
LINE-OUT
AGC1-TC2
VIDEO-AGC-IN
VPS-OUT
FBC-FILT
VIDEO-IN5
ALWAYS-5V
VIDEO-IN4
AGC1-TC1
VIDEO-IN3
GND (SUB)
PB-EQ FO-CTL
H.A.GND
PDCOMP
POENVDET
PIRADJI
PHROTFL
PIPBEPH+
PIPBEPH-
PIPBEPL+
PIPBEPL+
H.A.VCC
H.A.PRE
PIPBSPH+
PIPBSPH-
PIPBSPL+
PIPBSPL+
AUDIO-GND
NC
PIRNFBS
REC-AMP-OUT
VIDEO-IN2
VCA-FILT
VIDEO-IN1
REG4.0
VCA-OUT
PBC2-FILT
NC
CCD-Y-IN
CCD-VCC-5V
GND (SUB)
CCD-GND
RD
CCD-VCO-FILT
2FSC-OUT
AFC2-FILT
PAL/MESEC-DET-FILT-CTL
PAL/MESEC-DET-FILT
KIL-DET
VXO/XO1-IN
VXO/XO1-OUT
AUTO-BLAS-OUT
AUTO-BIAS
AUTO-BIAS-IN
EQ-SW1
EQ-IN
EQ-NFB
EQ-SW2
EQAMP-OUT
AUDIO-PB-IN
VREF
LINE-AMP-OUT
ALC-DET-IN
N-AUDIO-IN
ALC-DET
N-AUDIO-IN2
AUDIO-HA-SW-CTL
N-AUDIO-IN3
AUDIO-VCC
C-DET
C-GND
LOW-C-IN/OUT
AFC/APC-FILT
SLD-FILT
C-VCC
PB-CHROMA-IN/OUT
ACC-FILT
REC APC-FILT
VXO/XO2-IN PAL/BGI.M.M
VXO/XO2-OUT
GND

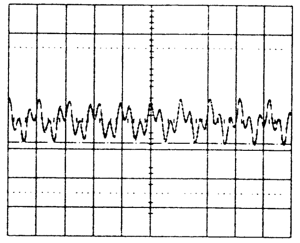
IC301 VOLTAGE TABLE

PIN / MODE	PLAY	STOP	REC
IC301	LA71750M		
1	5.2	5.2	0.7
2	0.0	0.0	0.6
3	2.3	2.3	2.4
4	0.3	0.4	0.8
5	2.3	2.3	2.3
6	2.3	2.3	2.2
7	2.3	2.3	2.2
8	2.3	2.3	2.2
9	2.2	2.2	2.2
10	2.3	2.2	2.3
11	2.4	2.3	2.3
12	0.0	0.0	0.0
13	2.2	2.2	2.2
14	0.0	0.0	0.0
15	2.3	2.3	2.2
16	0.2	5.2	5.1
17	2.3	2.3	2.2
18	5.2	5.2	5.1
19	4.1	4.1	4.0
20	0.0	0.0	0.0
21	1.9	3.2	3.2
22	2.6	2.6	2.6
23	2.6	2.6	2.6
24	5.0	5.0	5.0
25	3.5	0.1	0.1
26	1.3	1.5	1.5
27	2.1	2.1	2.1
28	4.0	4.1	4.0
29	2.6	2.6	2.7
30	0.4	0.0	0.0
31	1.4	1.3	1.2
32	4.7	4.7	4.7
33	2.9	3.0	2.9
34	0.0	0.0	0.0
35	2.0	2.0	2.0
36	3.0	3.0	3.0
37	1.9	2.0	1.9
38	2.1	2.1	2.0
39	9.5	9.5	9.4
40	0.0	0.0	0.0
41	0.0	0.0	0.0
42	5.1	5.2	5.1
43	2.4	2.4	2.4
44	4.1	0.0	0.0
45	2.5	2.5	2.5
46	2.6	2.7	4.6
47	4.2	4.2	4.2
48	2.9	3.0	3.0
49	3.8	3.0	3.0
50	1.9	1.9	1.9

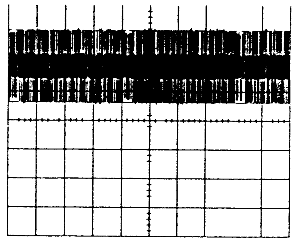
PIN / MODE	PLAY	STOP	REC
IC301	LA71750M		
51	0.0	0.0	0.0
52	1.9	1.9	1.9
53	2.4	2.4	2.4
54	1.9	1.9	1.9
55	5.2	5.2	5.2
56	2.2	2.3	2.3
57	2.2	2.0	2.0
58	2.8	3.1	3.1
59	3.0	2.9	2.9
60	1.6	1.5	1.5
61	1.7	19.0	1.9
62	0.0	0.0	0.0
63	1.2	1.2	1.2
64	0.0	0.0	0.0
65	1.5	1.8	1.8
66	5.2	5.2	5.2
67	0.2	0.2	0.2
68	4.7	4.7	4.7
69	4.5	4.7	4.5
70	2.8	5.2	2.8
71	0.0	3.3	3.3
72	5.0	5.0	5.0
73	1.9	2.2	2.2
74	2.6	2.5	2.5
75	0.7	2.4	2.4
76	0.8	2.4	2.4
77	1.6	1.5	1.5
78	3.4	2.6	2.5
79	1.9	1.9	2.5
80	0.9	0.9	4.2
81	1.1	1.1	1.1
82	0.0	0.0	0.0
83	2.6	0.7	0.0
84	2.7	0.6	0.0
85	0.0	0.0	1.0
86	0.4	0.4	0.0
87	0.7	1.9	2.5
88	0.7	1.9	0.7
89	0.7	1.9	0.7
90	0.7	1.9	0.7
91	5.2	5.2	4.1
92	0.0	0.0	0.0
93	1.9	1.9	4.3
94	1.9	1.9	4.3
95	1.9	1.9	4.3
96	1.9	1.9	4.4
97	0.0	0.0	0.0
98	2.3	2.3	2.3
99	2.3	2.3	2.3
100	2.3	2.3	2.4

WAVEFORM

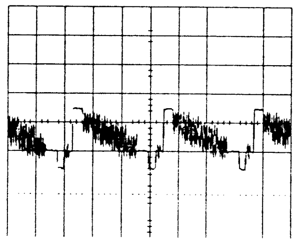
⓫ IC301-100
REC/1.5Vp-p



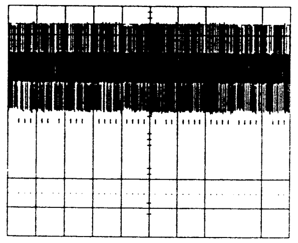
⓮ IC301-88
REC(LP)/2.5Vp-p



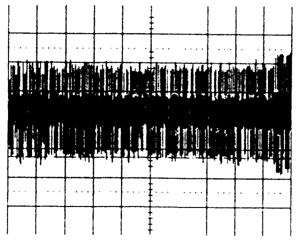
⓬ IC301-65
PB/2.1Vp-p



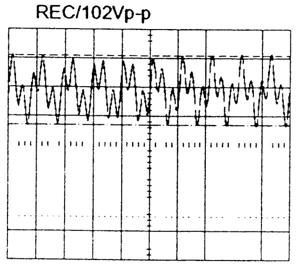
⓯ IC301-94
REC(SP)/3.0Vp-p



⓭ IC301-21
PB/320mVp-p

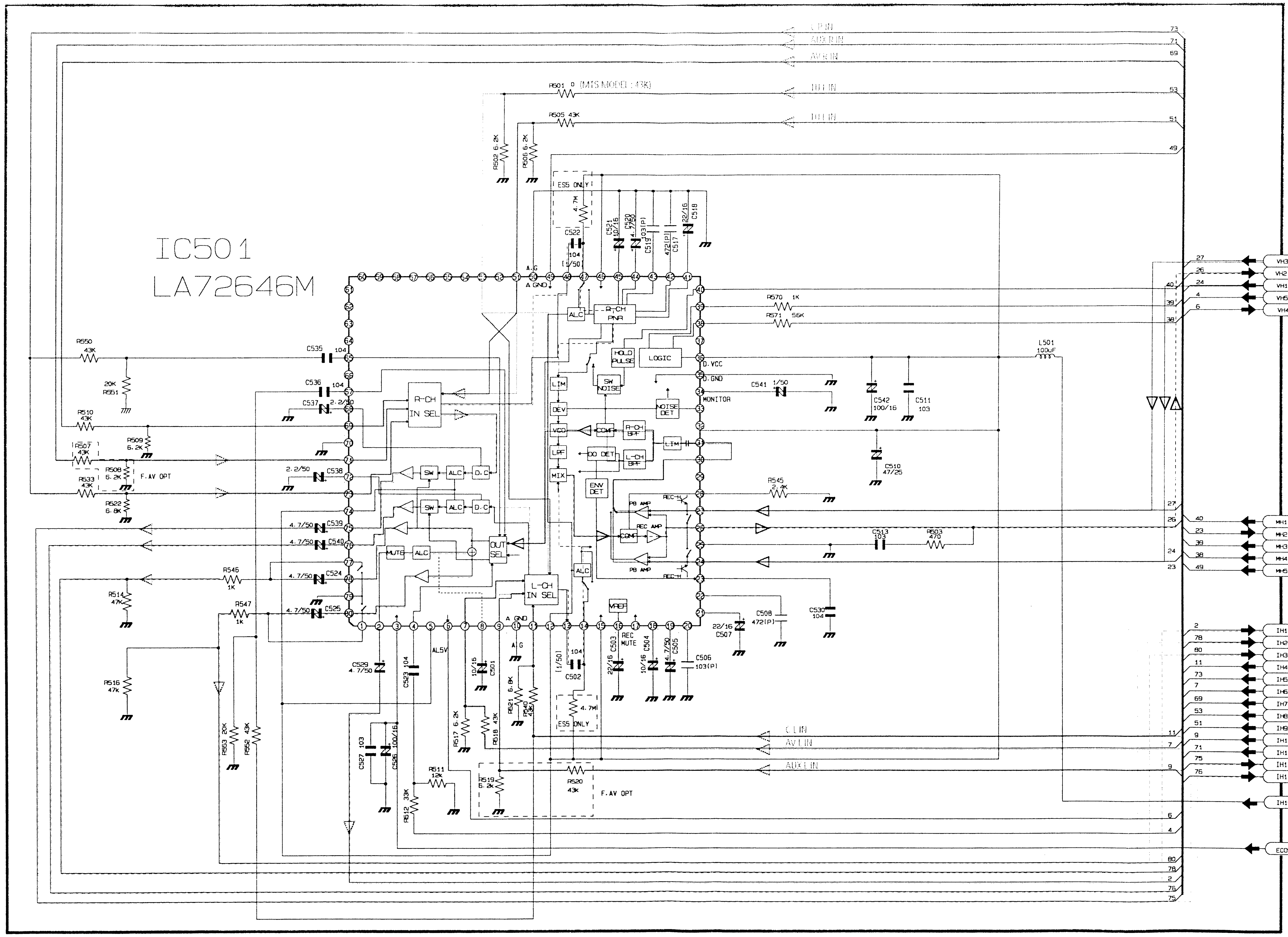


⓰ IC301-11
REC/102Vp-p

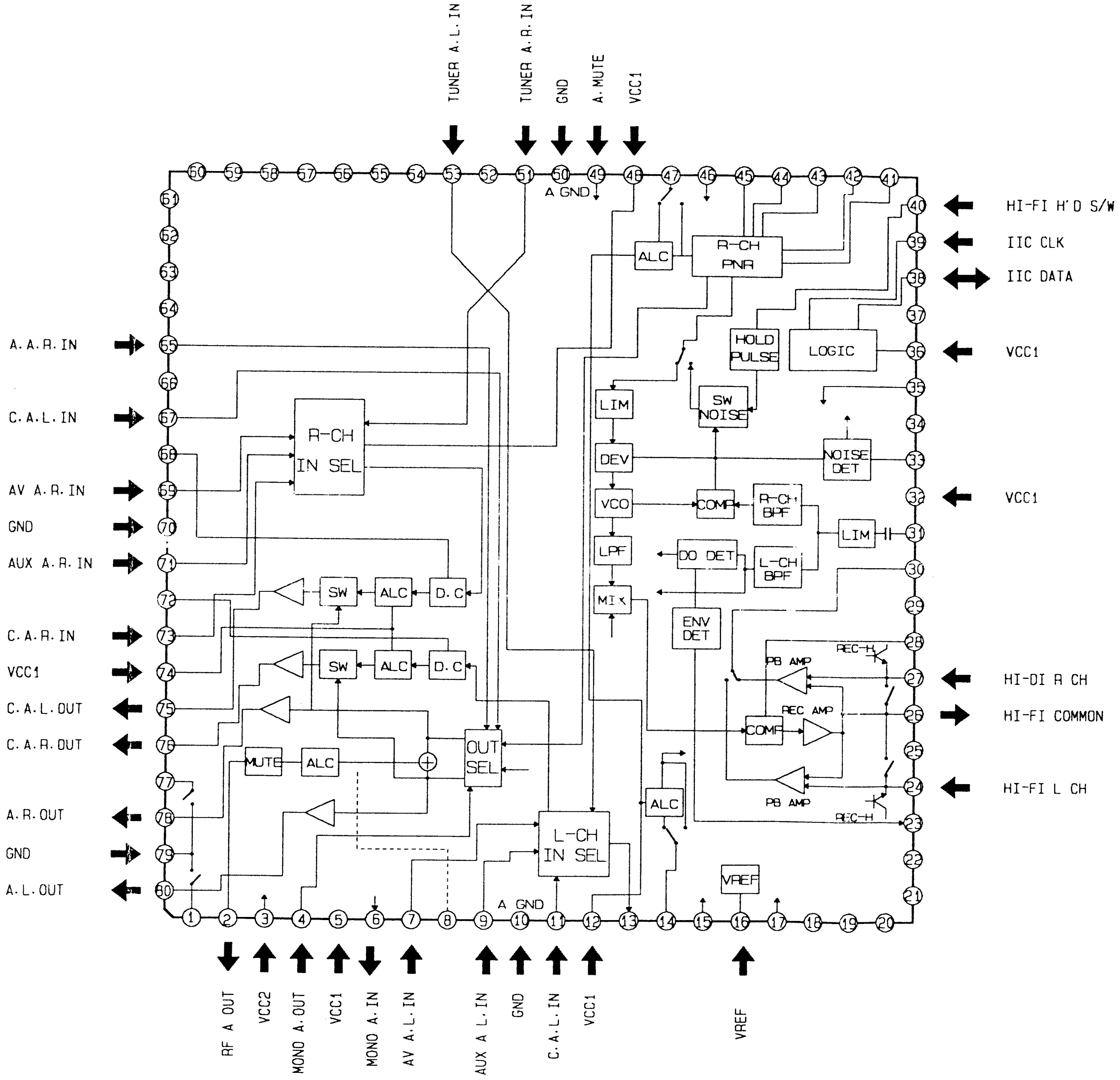


6-6 Hi-Fi (Option)

—— AUDIO PROCESS (IN) - - - - AUDIO PROCESS (OUT) —— AUDIO PB PROCESS - - - - - AUDIO REC PROCESS


IC501
LA72646M
R-CH IN SEL
L-CH IN SEL
OUT SEL
R-CH PNR
ALC
HOLD PULSE
LOGIC
SW NOISE
NOISE DET
LIM
DEV
VCO
LPF
MIX
COMP
R-CH BPF
L-CH BPF
DO DET
ENV DET
PB AMP
REC AMP
MUTE
SW
D.C
VREF
D.VCC
D.GND
MONITOR
A.G
A.GND
AL5V
ESS ONLY
F.AV OPT
(M/S MODEL : 43K)
L501 100uF
R570 1K
R571 56K
C541 1/50
C542 100/16
C511 103
C510 47/25
R545 2.2K
C513 103
R503 470
C508 472(P)
C530 104
C506 103(P)
R550 43K
R551 20K
R510 43K
R507 43K
R509 6.2K
R508 6.2K
R533 43K
R522 6.8K
R546 1K
R547 1K
R514 47K
R516 47K
R553 20K
R552 43K
R501 0
R505 43K
R502 6.2K
R506 6.2K
R520 43K
R519 6.2K
R511 12K
R512 33K
R517 6.2K
R518 43K
R521 6.8K
C535 104
C536 104
C537 2.2/50
C538 2.2/50
C539 4.7/50
C540 4.7/50
C524 4.7/50
C525 4.7/50
C529 4.7/50
C523 104
C527 103
C526 100/16
C501 10/16
C502 104 (1/50)
C503 22/16
C504 10/16
C505 4.7/50
C507 22/16
C522 104 (1/50)
C521 10/16
C520 4.7/50
C519 103(P)
C517 472(P)
C518 22/16
4.7M
REC MUTE
L.R.IN
AUX R.IN
AV R.IN
TU L.IN
TU R.IN
C.L.IN
AV L.IN
AUX L.IN
FROM/TO A/V
VH3 HI-FI R CH
VH2 HI-FI COMMON
VH1 HI-FI L CH
VH5 MONO A. OUT
VH4 MONO A. IN
FROM/TO SYSCON/SERVO
MH1 HI-FI H'D S/W
MH2 HI-FI ENV
MH3 IIC CLK
MH4 IIC DATA
MH5 A.MUTE
FROM/TO I/O
IH1 RF A OUT
IH2 A.R.OUT
IH3 A.L.OUT
IH4 C.A.L.IN
IH5 C.A.R.IN
IH6 AV A.L.IN
IH7 AV A.R.IN
IH8 TUNER A.L.IN
IH9 TUNER A.R.IN
IH10 AUX A.L.IN
IH11 AUX A.R.IN
IH12 C.A.L.OUT
IH13 C.A.R.OUT
FROM POWER
IH15 ECO 5V
ECO9V ECO 9V

IC501 LA72646M

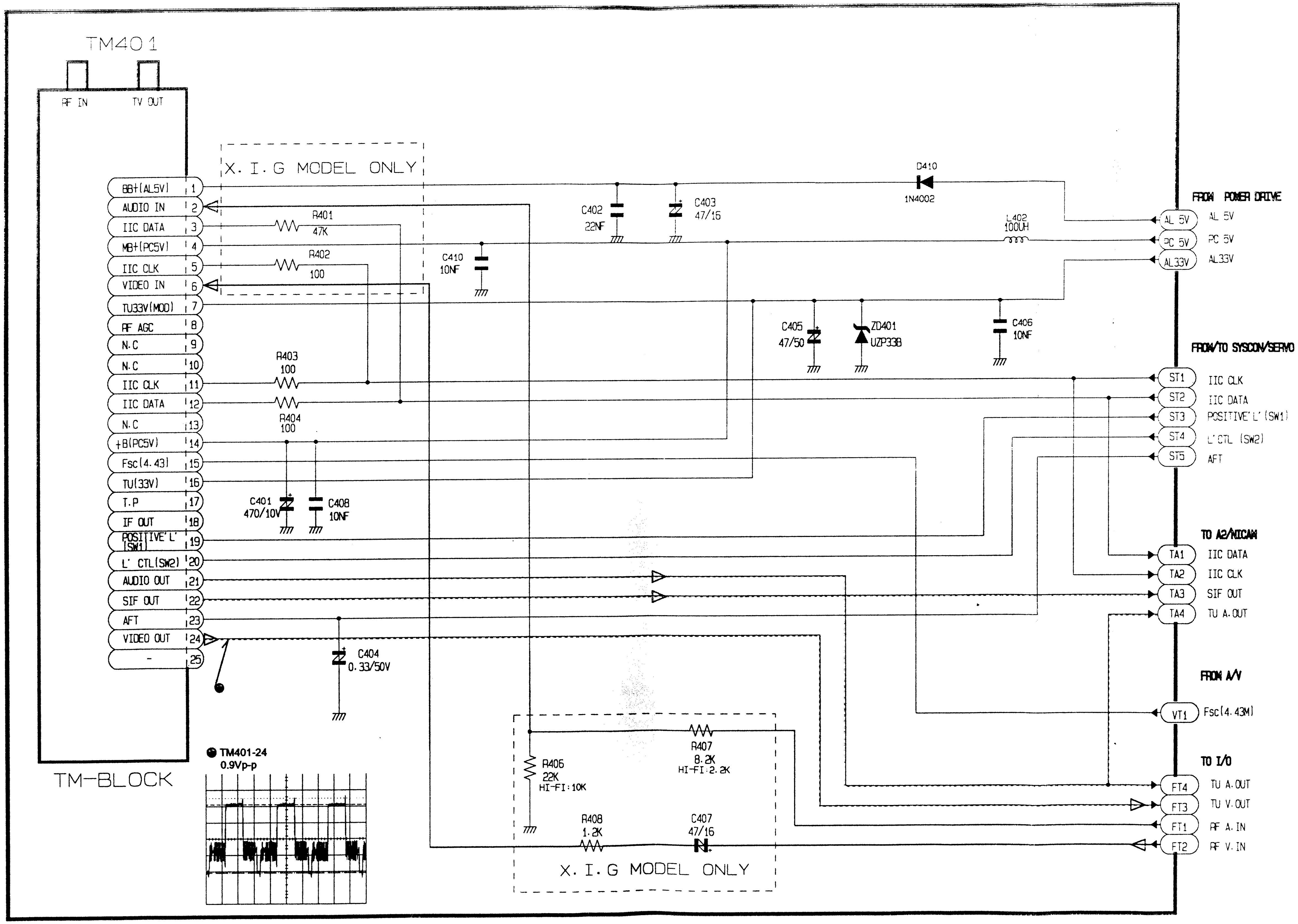

TUNER A.L.IN
TUNER A.R.IN
GND
A.MUTE
VCC1
A GND
HI-FI H'D S/W
IIC CLK
IIC DATA
VCC1
VCC1
HI-DI R CH
HI-FI COMMON
HI-FI L CH
A.A.R.IN
C.A.L.IN
AV A.R.IN
GND
AUX A.R.IN
C.A.R.IN
VCC1
C.A.L.OUT
C.A.R.OUT
A.R.OUT
GND
A.L.OUT
RF A OUT
VCC2
MONO A.OUT
VCC1
MONO A.IN
AV A.L.IN
AUX A L.IN
GND
C.A.L.IN
VCC1
VREF
ALC
R-CH PNR
HOLD PULSE
LOGIC
LIM
SW NOISE
DEV
NOISE DET
VCO
COMP
R-CH BPF
LIM
LPF
DO DET
L-CH BPF
MIX
ENV DET
PB AMP
REC-H
REC AMP
COMP
PB AMP
REC-H
ALC
VREF
R-CH IN SEL
SW
ALC
D.C
SW
ALC
D.C
MUTE
ALC
OUT SEL
L-CH IN SEL
A GND

IC501 VOLTAGE TABLE

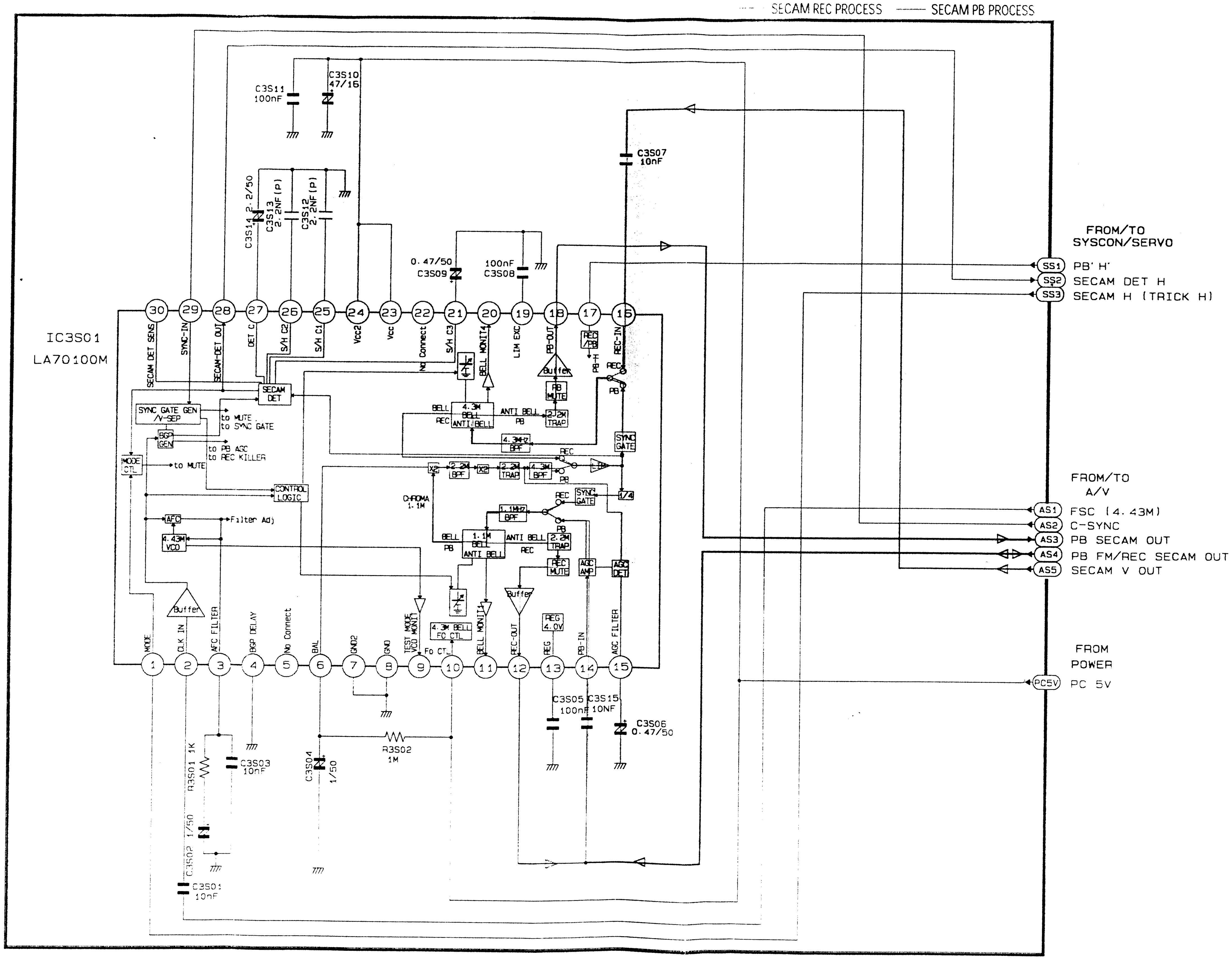
PIN MODE	PLAY	STOP	REC
IC501	LA72646M		
1	0.0	0.0	0.0
2	2.5	2.5	2.5
3	9.5	9.5	9.5
4	2.5	2.5	2.5
5	4.9	4.9	4.8
6	2.0	1.9	1.9
7	0.0	0.0	0.0
8	0.0	0.0	0.0
9	0.0	0.0	0.0
10	0.0	0.0	0.0
11	0.0	0.0	0.0
12	4.8	4.8	4.8
13	2.6	2.0	2.0
14	2.5	2.5	2.5
15	4.8	4.9	4.8
16	2.5	2.5	2.5
17	0.0	0.3	0.3
18	1.3	0.0	0.0
19	2.6	2.5	2.5
20	2.2	2.5	2.5
21	2.6	2.5	2.5
22	2.6	2.5	2.5
23	4.2	0.0	0.0
24	1.9	0.1	3.9
25	0.0	0.0	0.0
26	1.9	0.1	3.9
27	1.9	0.1	3.9
28	0.0	0.5	2.1
29	0.0	0.0	0.0
30	2.1	4.1	3.9
31	2.3	4.1	3.9
32	4.8	4.4	4.8
33	2.2	0.4	0.0
34	3.5	2.5	2.5
35	2.5	0.0	0.0
36	2.7	4.9	4.8
37	0.0	0.4	0.0
38	4.4	4.6	4.5
39	4.5	4.6	4.5
40	2.8	0.0	2.3
41	2.6	2.5	2.5
42	2.5	2.5	2.5
43	2.6	2.5	2.5
44	2.6	2.5	2.5
45	0.2	0.0	0.0
46	4.8	4.9	0.4
47	2.5	2.5	5.0
48	2.6	2.0	2.0
49	0.0	0.0	0.0
50	0.0	0.0	0.0

6-6 TM

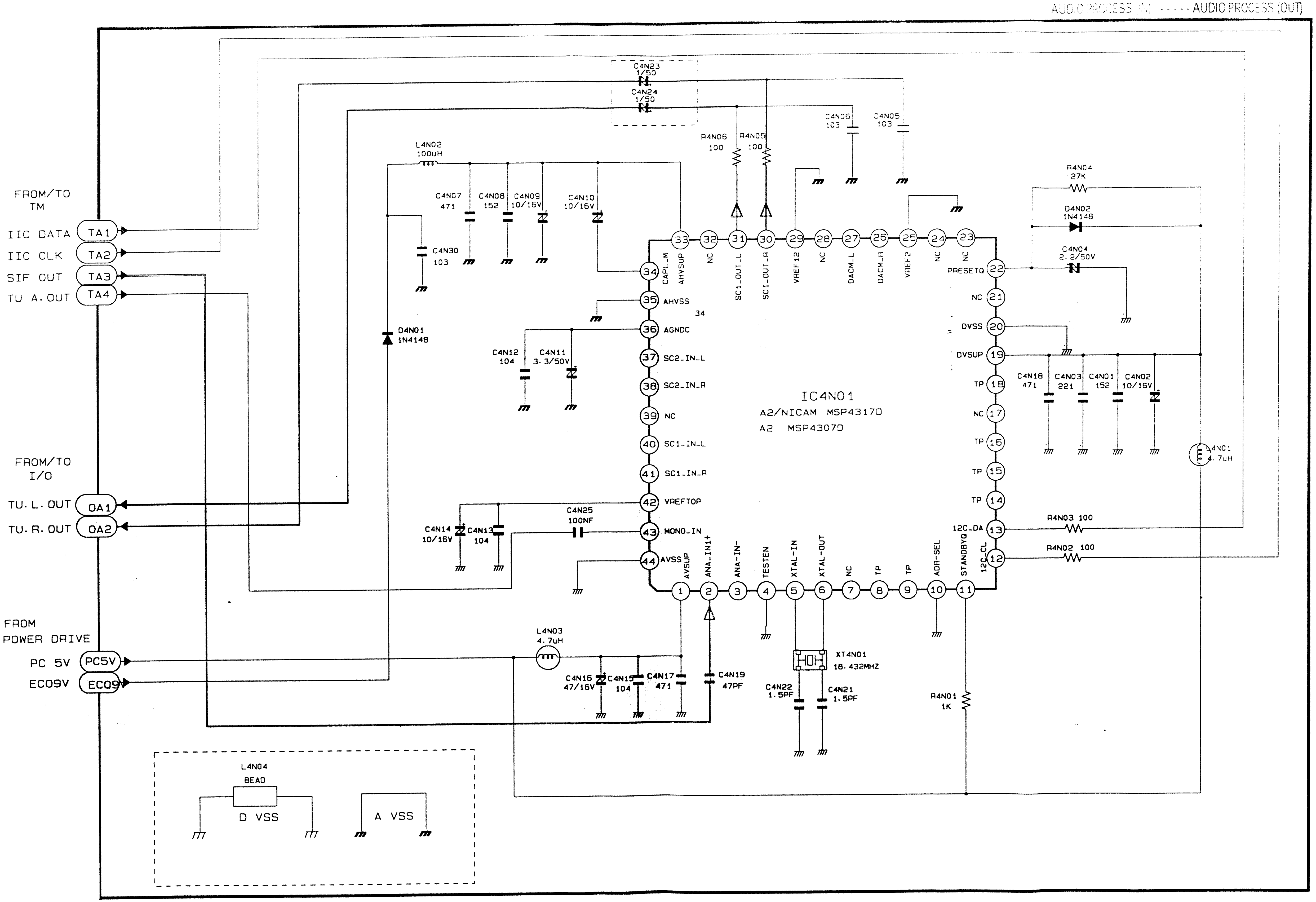
AUDIO PROCESS (IN) ----- AUDIO PROCESS (OUT) —— VIDEO PROCESS (IN) ----- VIDEO PROCESS (OUT)


TM401
RF IN
TV OUT
BB+(AL5V) 1
AUDIO IN 2
IIC DATA 3
MB+(PC5V) 4
IIC CLK 5
VIDEO IN 6
TU33V(MOD) 7
RF AGC 8
N.C 9
N.C 10
IIC CLK 11
IIC DATA 12
N.C 13
+B(PC5V) 14
Fsc(4.43) 15
TU(33V) 16
T.P 17
IF OUT 18
POSITIVE'L' (SW1) 19
L' CTL(SW2) 20
AUDIO OUT 21
SIF OUT 22
AFT 23
VIDEO OUT 24
- 25
TM-BLOCK
X. I. G MODEL ONLY
R401 47K
R402 100
R403 100
R404 100
C410 10NF
C402 22NF
C403 47/16
D410 1N4002
L402 100UH
C405 47/50
ZD401 UZP33B
C406 10NF
C401 470/10V
C408 10NF
C404 0.33/50V
TM401-24 0.9Vp-p
R406 22K HI-FI:10K
R407 8.2K HI-FI:2.2K
R408 1.2K
C407 47/16
X. I. G MODEL ONLY
FROM POWER DRIVE
AL 5V
PC 5V
AL33V
AL 5V
PC 5V
AL33V
FROM/TO SYSCON/SERVO
ST1 IIC CLK
ST2 IIC DATA
ST3 POSITIVE'L' (SW1)
ST4 L'CTL (SW2)
ST5 AFT
TO A2/NICAM
TA1 IIC DATA
TA2 IIC CLK
TA3 SIF OUT
TA4 TU A.OUT
FROM A/V
VT1 Fsc(4.43M)
TO I/O
FT4 TU A.OUT
FT3 TU V.OUT
FT1 RF A.IN
FT2 RF V.IN

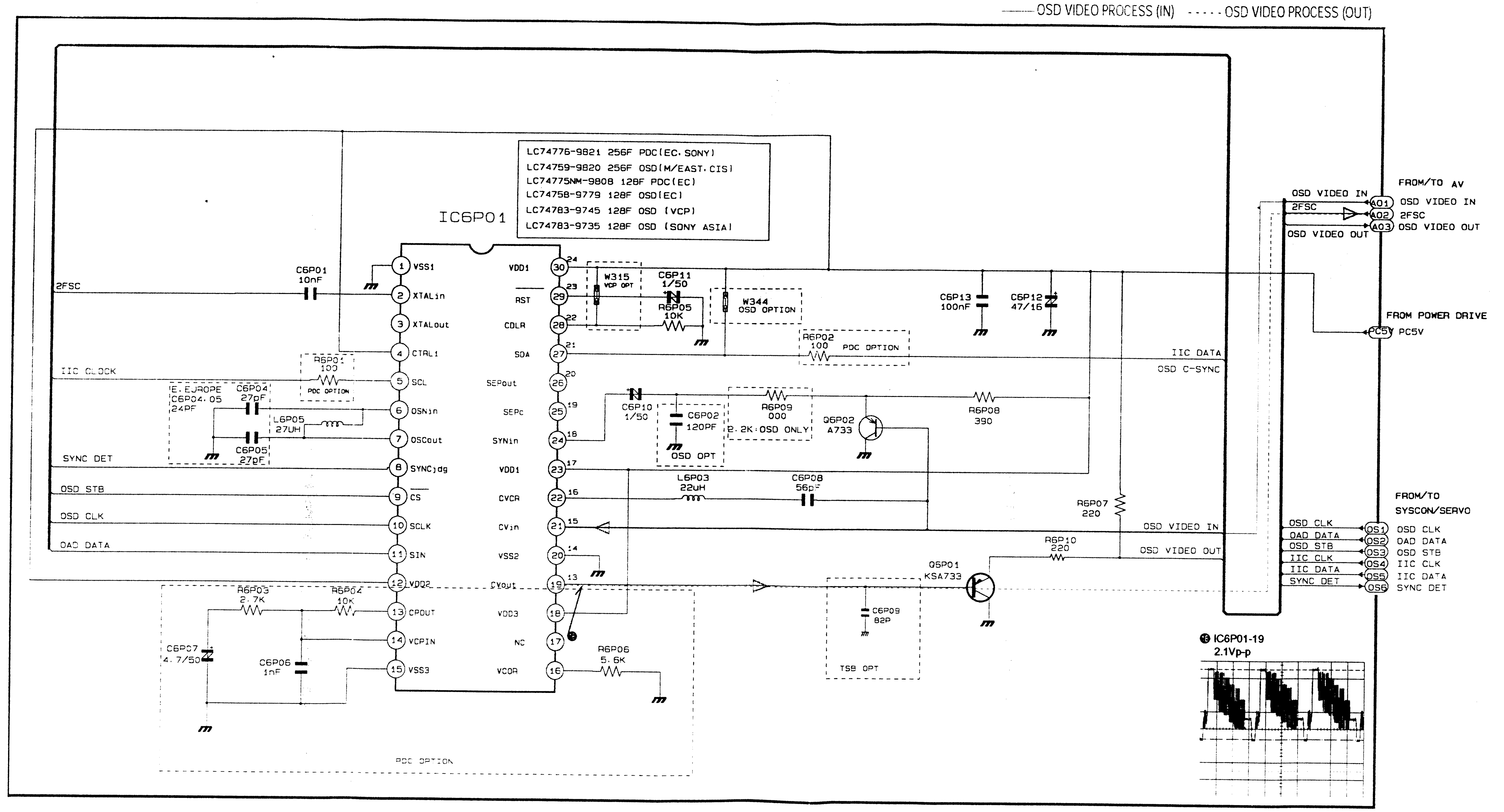
6-7 SECAM


SECAM REC PROCESS
SECAM PB PROCESS
IC3S01
LA70100M
C3S11
100nF
C3S10
47/16
C3S14 2.2/50
C3S13
2.2NF(P)
C3S12
2.2NF(P)
C3S07
10nF
0.47/50
C3S09
100nF
C3S08
30
29
28
27
26
25
24
23
22
21
20
19
18
17
16
SECAM DET SENS
SYNC-IN
SECAM-DET OUT
DET C
S/H C2
S/H C1
Vcc2
Vcc
No Connect
S/H C3
BELL MONIT4
LIM EXC
PB-OUT
REC/PB
PB-H
REC-IN
REC
PB
Buffer
PB MUTE
SECAM DET
SYNC GATE GEN /V-SEP
to MUTE
to SYNC GATE
BGP GEN
to PB AGC
to REC KILLER
MODE CTL
to MUTE
CONTROL LOGIC
AFC
Filter Adj
4.43M VCO
BELL
REC
4.3M BELL ANTI BELL
ANTI BELL
PB
2.2M TRAP
4.3MHz BPF
SYNC GATE
REC
X2
2.2M BPF
X2
2.2M TRAP
4.3M BPF
PB
LIM
1/4
CHROMA 1.1M
REC
SYNC GATE
1.1MHz BPF
PB
BELL
PB
1.1M BELL ANTI BELL
ANTI BELL
REC
2.2M TRAP
REC MUTE
AGC AMP
AGC DET
Buffer
Buffer
REG 4.0V
4.3M BELL FC CTL
Fo CTL
MODE
CLK IN
AFC FILTER
BGP DELAY
No Connect
BAL
GND2
GND
TEST MODE VCO MONIT
BELL MONIT1
REC-OUT
REG
PB-IN
AGC FILTER
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
C3S05
100nF
C3S15
10NF
C3S06
0.47/50
R3S01 1K
C3S03
10nF
C3S04
1/50
R3S02
1M
C3S02 1/50
C3S01
10nF
FROM/TO
SYSCON/SERVO
SS1
PB' H'
SS2
SECAM DET H
SS3
SECAM H (TRICK H)
FROM/TO
A/V
AS1
FSC (4.43M)
AS2
C-SYNC
AS3
PB SECAM OUT
AS4
PB FM/REC SECAM OUT
AS5
SECAM V OUT
FROM
POWER
PC5V
PC 5V

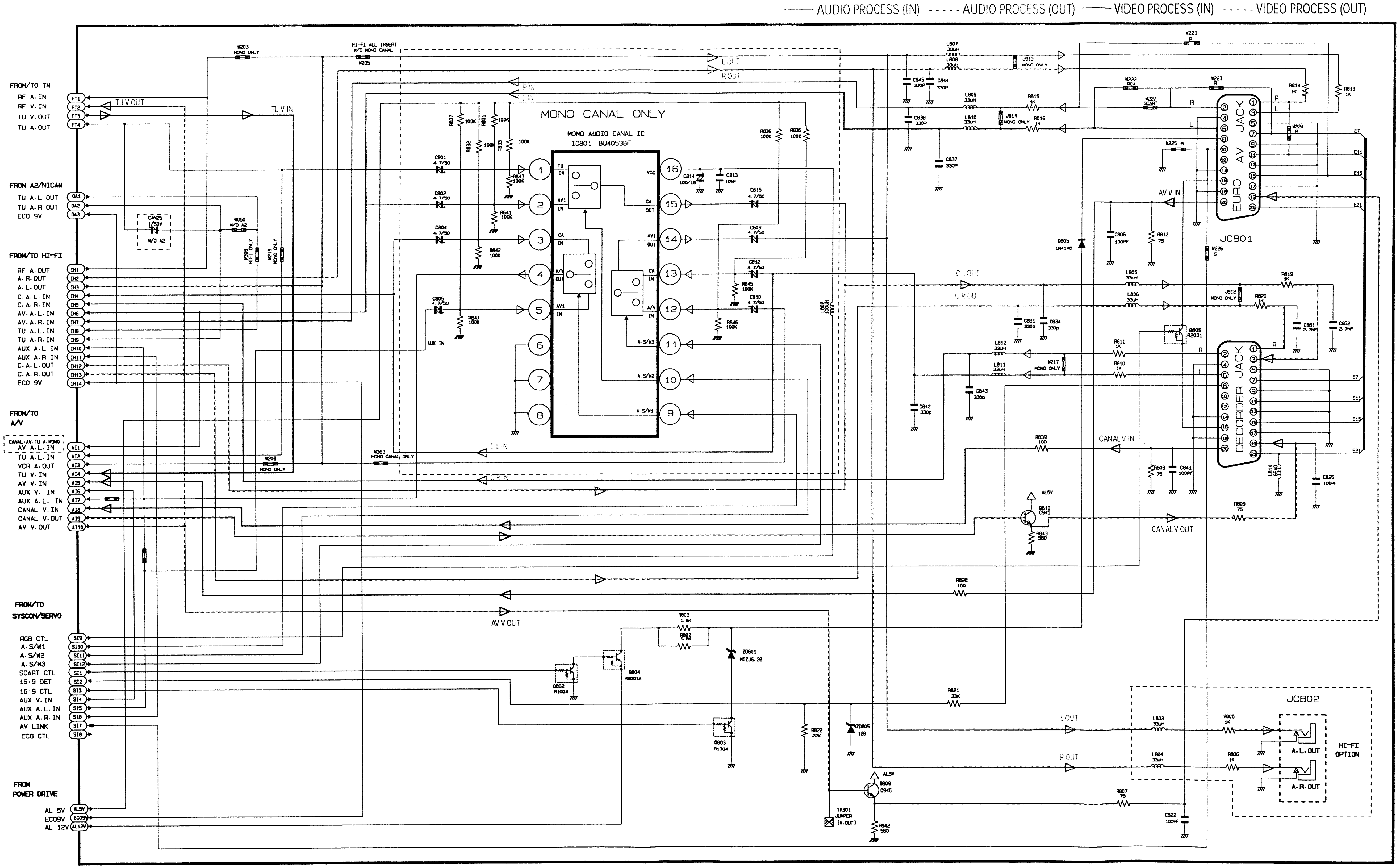
6-8 A2/NICAM


AUDIO PROCESS (IN) ----- AUDIO PROCESS (OUT)
FROM/TO TM
IIC DATA
TA1
IIC CLK
TA2
SIF OUT
TA3
TU A. OUT
TA4
FROM/TO I/O
TU. L. OUT
OA1
TU. R. OUT
OA2
FROM POWER DRIVE
PC 5V
PC5V
ECO9V
ECO9
C4N23 1/50
C4N24 1/50
R4N06 100
R4N05 100
C4N06 103
C4N05 103
L4N02 100uH
C4N07 471
C4N08 152
C4N09 10/16V
C4N10 10/16V
C4N30 103
D4N01 1N4148
C4N12 104
C4N11 3. 3/50V
C4N14 10/16V
C4N13 104
C4N25 100NF
R4N04 27K
D4N02 1N4148
C4N04 2. 2/50V
C4N18 471
C4N03 221
C4N01 152
C4N02 10/16V
L4N01 4. 7uH
R4N03 100
R4N02 100
IC4N01
A2/NICAM MSP4317D
A2 MSP4307D
33 AHVSUP
32 NC
31 SC1_OUT_L
30 SC1_OUT_R
29 VREF12
28 NC
27 DACM_L
26 DACM_R
25 VREF2
24 NC
23 NC
22 PRESETQ
21 NC
20 DVSS
19 DVSUP
18 TP
17 NC
16 TP
15 TP
14 TP
13 12C_DA
12 12C_CL
11 STANDBYQ
10 ADR-SEL
9 TP
8 TP
7 NC
6 XTAL-OUT
5 XTAL-IN
4 TESTEN
3 ANA-IN-
2 ANA_IN1+
1 AVSUP
44 AVSS
43 MONO_IN
42 VREFTOP
41 SC1_IN_R
40 SC1_IN_L
39 NC
38 SC2_IN_R
37 SC2_IN_L
36 AGNDC
35 AHVSS
34 CAPL_M
34
L4N03 4. 7uH
C4N16 47/16V
C4N15 104
C4N17 471
C4N19 47PF
XT4N01 18. 432MHZ
C4N22 1. 5PF
C4N21 1. 5PF
R4N01 1K
L4N04 BEAD
D VSS
A VSS

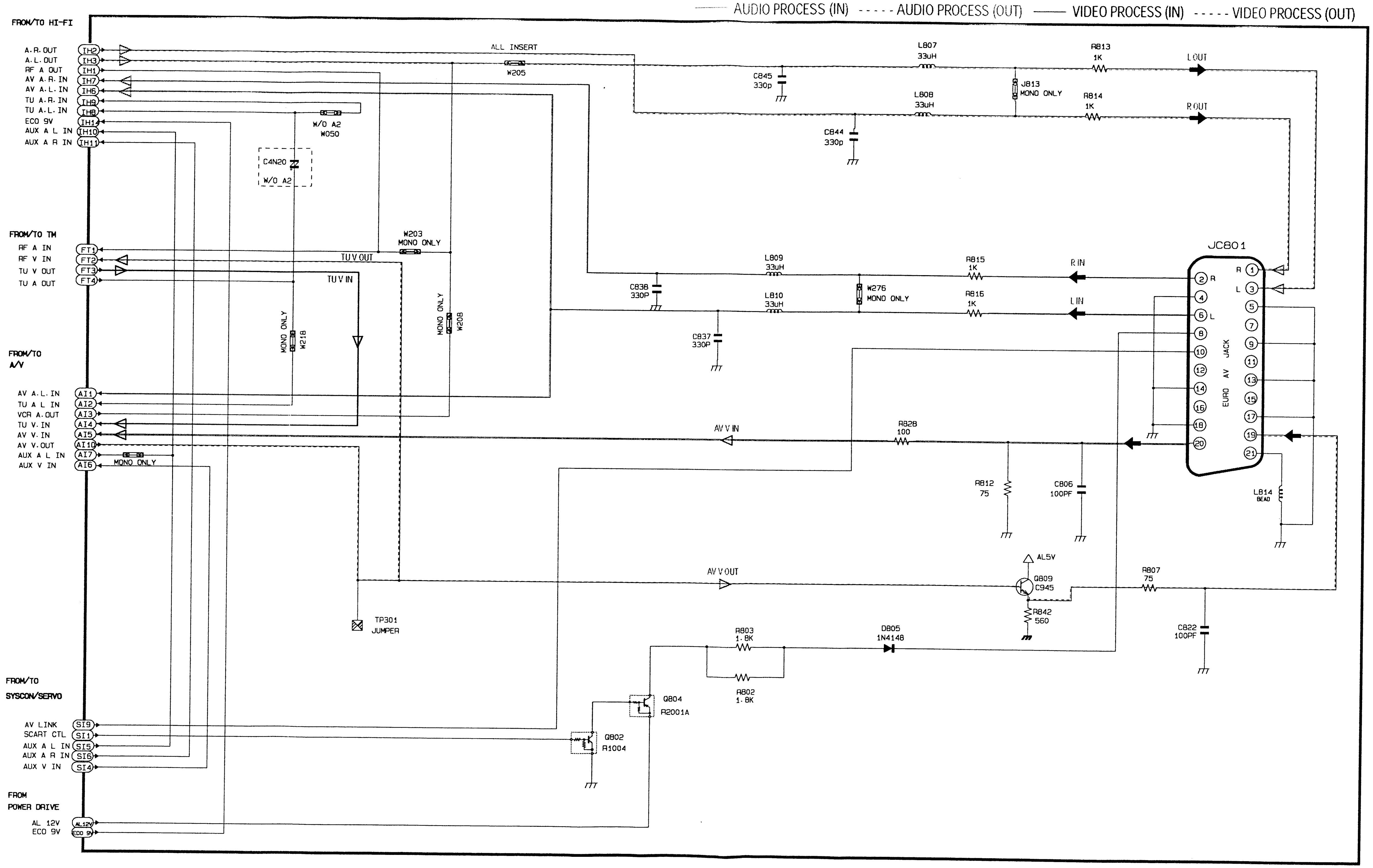
6-9 OSD/VPS/PDC


—— OSD VIDEO PROCESS (IN) - - - - OSD VIDEO PROCESS (OUT)
IC6P01
LC74776-9821 256F PDC(EC, SONY)
LC74759-9820 256F OSD(M/EAST, CIS)
LC74775NM-9808 128F PDC(EC)
LC74758-9779 128F OSD(EC)
LC74783-9745 128F OSD (VCP)
LC74783-9735 128F OSD (SONY ASIA)
1 VSS1
2 XTALin
3 XTALout
4 CTRL1
5 SCL
6 OSNin
7 OSCout
8 SYNCjdg
9 CS
10 SCLK
11 SIN
12 VDD2
13 CPOUT
14 VCPIN
15 VSS3
30 VDD1
29 RST
28 CDLR
27 SDA
26 SEPout
25 SEPc
24 SYNin
23 VDD1
22 CVCR
21 CVin
20 VSS2
19 CVout
18 VDD3
17 NC
16 VCOR
2FSC
C6P01 10nF
IIC CLOCK
R6P01 100 PDC OPTION
E. EUROPE C6P04, 05 24PF
C6P04 27pF
L6P05 27UH
C6P05 27pF
SYNC DET
OSD STB
OSD CLK
OAD DATA
R6P03 2.7K
R6P04 10K
C6P07 4.7/50
C6P06 1nF
PDC OPTION
R6P06 5.6K
W315 VCP OPT
C6P11 1/50
R6P05 10K
W344 OSD OPTION
R6P02 100 PDC OPTION
C6P10 1/50
C6P02 120PF
OSD OPT
R6P09 000
2.2K:OSD ONLY
Q6P02 A733
R6P08 390
L6P03 22uH
C6P08 56pF
C6P13 100nF
C6P12 47/16
IIC DATA
OSD C-SYNC
R6P07 220
OSD VIDEO IN
R6P10 220
OSD VIDEO OUT
Q5P01 KSA733
C6P09 82P
TSB OPT
FROM/TO AV
OSD VIDEO IN
2FSC
OSD VIDEO OUT
A01 OSD VIDEO IN
A02 2FSC
A03 OSD VIDEO OUT
FROM POWER DRIVE
PC5V PC5V
FROM/TO SYSCON/SERVO
OSD CLK
OAD DATA
OSD STB
IIC CLK
IIC DATA
SYNC DET
OS1 OSD CLK
OS2 OAD DATA
OS3 OSD STB
OS4 IIC CLK
OS5 IIC DATA
OS6 SYNC DET
⓭ IC6P01-19
2.1Vp-p

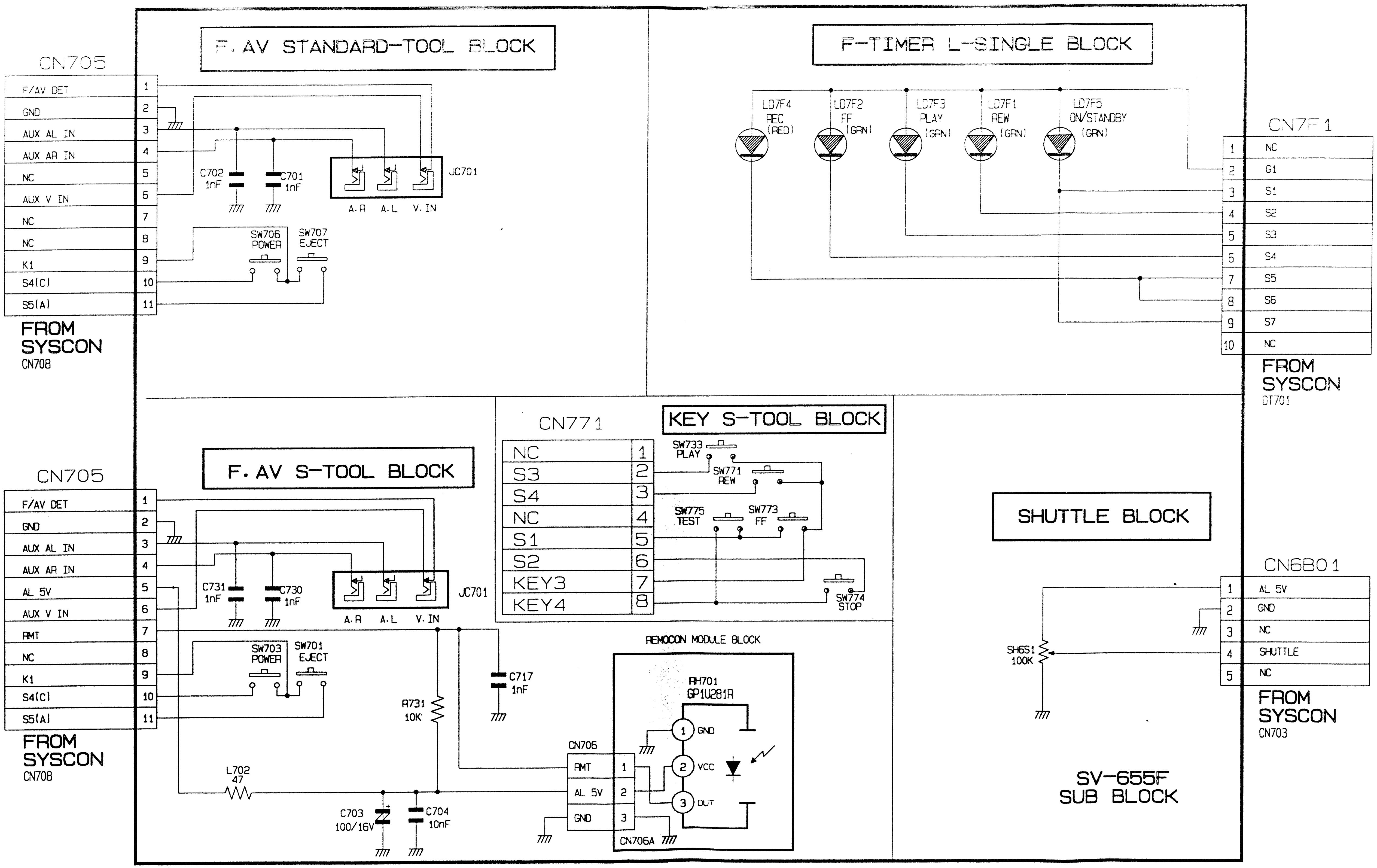
6-10 Input-Output (2 Scart Jack)


AUDIO PROCESS (IN)
AUDIO PROCESS (OUT)
VIDEO PROCESS (IN)
VIDEO PROCESS (OUT)
FROM/TO TM
RF A.IN
RF V.IN
TU V.OUT
TU A.OUT
FT1
FT2
FT3
FT4
TU V OUT
TU V IN
FROM A2/NICAM
TU A.L OUT
TU A.R OUT
ECO 9V
OA1
OA2
OA3
FROM/TO HI-FI
RF A.OUT
A.R.OUT
A.L.OUT
C.A.L.IN
C.A.R.IN
AV.A.L.IN
AV.A.R.IN
TU A.L.IN
TU A.R.IN
AUX A.L IN
AUX A.R IN
C.A.L.OUT
C.A.R.OUT
ECO 9V
IH1
IH2
IH3
IH4
IH5
IH6
IH7
IH8
IH9
IH10
IH11
IH12
IH13
IH14
FROM/TO
A/V
CANAL:AV.TU A.MONO
AV A.L.IN
TU A.L.IN
VCR A.OUT
TU V.IN
AV V.IN
AUX V. IN
AUX A.L. IN
CANAL V.IN
CANAL V.OUT
AV V.OUT
AI1
AI2
AI3
AI4
AI5
AI6
AI7
AI8
AI9
AI10
FROM/TO
SYSCON/SERVO
RGB CTL
A.S/W1
A.S/W2
A.S/W3
SCART CTL
16:9 DET
16:9 CTL
AUX V.IN
AUX A.L.IN
AUX A.R.IN
AV LINK
ECO CTL
SI9
SI10
SI11
SI12
SI1
SI2
SI3
SI4
SI5
SI6
SI7
SI8
FROM
POWER DRIVE
AL 5V
ECO9V
AL 12V
AL5V
ECO9V
AL12V
W203
MONO ONLY
HI-FI ALL INSERT
W/O MONO CANAL
W205
L OUT
R OUT
R IN
L IN
MONO CANAL ONLY
MONO AUDIO CANAL IC
IC801 BU4053BF
TU IN
AV1 IN
CA IN
A/V OUT
AV1 IN
VCC
CA OUT
AV1 OUT
CA IN
A/V IN
A.S/W3
A.S/W2
A.S/W1
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
R837
R831
R832
R833
100K
C801 4.7/50
C802 4.7/50
C804 4.7/50
C805 4.7/50
R843 100K
R841 100K
R842 100K
R847 100K
C4N26 1/50V
W/O A2
W050 W/O A2
W306 HI-FI ONLY
W218 MONO ONLY
AUX IN
R836 100K
R835 100K
C814 100/16
C813 10NF
C815 4.7/50
C809 4.7/50
C812 4.7/50
R845 100K
C810 4.7/50
R846 100K
L802
W363 CANAL ONLY
W208 MONO ONLY
C LIN
C R IN
AV V OUT
L807 33uH
L808 33uH
J813 MONO ONLY
C845 330P
C844 330P
L809 33uH
R815 1K
C838 330P
L810 33uH
J814 MONO ONLY
R816 1K
C837 330P
W221 R
W222 RCA
W223 R
W227 SCART
R814 1K
R813 1K
W224 R
W225 R
R
L
EURO AV JACK
AV V IN
C806 100PF
R812 75
D805 1N4148
JC801
W226 S
C L OUT
C R OUT
L805 33uH
L806 33uH
R819 1K
J812 MONO ONLY
R820 1K
C811 330P
C834 330P
Q806 A2001
C851 2.7NF
C852 2.7NF
L812 33uH
L811 33uH
R811 1K
W217 MONO ONLY
R810 1K
DECORDER JACK
C843 330P
C842 330P
R839 100
CANAL V IN
R808 75
C841 100PF
L814
C826 100PF
AL5V
Q810 C945
R843 560
R809 75
CANAL V OUT
E7
E11
E15
E21
R826 100
R803 1.8K
R802 1.8K
ZD801 MTZJ6.2B
Q802 R1004
Q804 A2001A
R821 33K
Q803 R1004
R822 22K
ZD805 12B
AL5V
Q809 C945
TP301 JUMPER (V.OUT)
R842 560
L OUT
R OUT
L803 33uH
L804 33uH
R805 1K
R806 1K
R807 75
C822 100PF
JC802
A.L.OUT
A.R.OUT
HI-FI OPTION

6-11 Input-Output (1 Scart Jack); SV-255B/251B/251i only


AUDIO PROCESS (IN)
AUDIO PROCESS (OUT)
VIDEO PROCESS (IN)
VIDEO PROCESS (OUT)
FROM/TO HI-FI
A.R.OUT IH2
A.L.OUT IH3
RF A OUT IH1
AV A.R.IN IH7
AV A.L.IN IH6
TU A.R.IN IH9
TU A.L.IN IH8
ECO 9V IH14
AUX A L IN IH10
AUX A R IN IH11
ALL INSERT
W205
W/O A2
W050
C4N20
W/O A2
FROM/TO TM
RF A IN FT1
RF V IN FT2
TU V OUT FT3
TU A OUT FT4
W203
MONO ONLY
TU V OUT
TU V IN
MONO ONLY
W218
MONO ONLY
W208
FROM/TO A/V
AV A.L.IN AI1
TU A L IN AI2
VCR A.OUT AI3
TU V.IN AI4
AV V.IN AI5
AV V.OUT AI10
AUX A L IN AI7
AUX V IN AI6
MONO ONLY
TP301
JUMPER
FROM/TO SYSCON/SERVO
AV LINK SI9
SCART CTL SI1
AUX A L IN SI5
AUX A R IN SI6
AUX V IN SI4
FROM POWER DRIVE
AL 12V AL12V
ECO 9V ECO 9V
L807 33uH
C845 330p
L808 33uH
C844 330p
J813 MONO ONLY
R813 1K
R814 1K
L OUT
R OUT
JC801
L809 33uH
L810 33uH
C838 330P
C837 330P
W276 MONO ONLY
R815 1K
R816 1K
R IN
L IN
EURO AV JACK
R
L
AV V IN
R828 100
R812 75
C806 100PF
L814 BEAD
AV V OUT
AL5V
Q809 C945
R842 560
R807 75
C822 100PF
R803 1.8K
R802 1.8K
D805 1N4148
Q804 R2001A
Q802 R1004

6-12 Sub


F. AV STANDARD-TOOL BLOCK
CN705
F/AV DET
GND
AUX AL IN
AUX AR IN
NC
AUX V IN
NC
NC
K1
S4(C)
S5(A)
FROM SYSCON
CN708
C702 1nF
C701 1nF
JC701
A.R A.L V.IN
SW706 POWER
SW707 EJECT
F-TIMER L-SINGLE BLOCK
LD7F4 REC (RED)
LD7F2 FF (GRN)
LD7F3 PLAY (GRN)
LD7F1 REW (GRN)
LD7F5 ON/STANDBY (GRN)
CN7F1
NC
G1
S1
S2
S3
S4
S5
S6
S7
NC
FROM SYSCON
CT701
F. AV S-TOOL BLOCK
CN705
F/AV DET
GND
AUX AL IN
AUX AR IN
AL 5V
AUX V IN
RMT
NC
K1
S4(C)
S5(A)
FROM SYSCON
CN708
C731 1nF
C730 1nF
JC701
A.R A.L V.IN
SW703 POWER
SW701 EJECT
R731 10K
C717 1nF
L702 47
C703 100/16V
C704 10nF
CN771
NC
S3
S4
NC
S1
S2
KEY3
KEY4
KEY S-TOOL BLOCK
SW733 PLAY
SW771 REW
SW775 TEST
SW773 FF
SW774 STOP
REMOCON MODULE BLOCK
RH701 GP1U281R
GND
VCC
OUT
CN706
RMT
AL 5V
GND
CN706A
SHUTTLE BLOCK
CN6B01
AL 5V
GND
NC
SHUTTLE
NC
SH6S1 100K
FROM SYSCON
CN703
SV-655F SUB BLOCK